Hydro-Electric Power Commission of Ontario

964 ANNUAL REPORT

LINEWORK — The use of modern live-line techniques permits the Commission's linemen to repair or modify transmission lines at all operating voltages without removing them from service. Rubber gloves and line-hose, as shown in the photograph, are now used for protection in work with lines at potentials of up to 8,000 volts. At higher voltages, linemen work either with live-line tools, or from elevated insulated buckets, using their bare hands.

The Hydro-Electric Power Commission of Ontario

Fifty-seventh

Annual Report

for the year

1964

This Report is published pursuant to The Power Commission Act, Revised Statutes of Ontario, 1960, Chapter 300, Section 10.

620 University Ave. Toronto, Canada

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

January 1, 1965

W. Ross Strike, Q.C.
Chairman

George E. Gathercole
1st Vice-Chairman

Robert J. Boyer, M.P.P.
2nd Vice-Chairman

Lt.-Col. A. A. Kennedy, D.S.O., E.D.
Commissioner

D. P. Cliff
Commissioner

E. B. Easson
Secretary

J. M. Hambley
General Manager

H. A. Smith
Chief Engineer

E. H. Banks
Assistant General Manager
Finance

D. J. Gordon
Assistant General Manager
Marketing

H. J. Sissons
Assistant General Manager
Services

C. B. C. Scott
Assistant General Manager
Personnel

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, MAY 10, 1965

THE HONOURABLE W. EARL ROWE, P.C.(C.), LL.D.

Lieutenant-Governor of Ontario

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1964.

Power requirements in 1964 reached a new high of 7,210,200 kilowatts in December, exceeding the 1963 requirements of 6,796,900 kilowatts by 6.1 per cent. At the end of 1964, the capacity of the Commission's resources to meet these requirements was 7,775,750 kilowatts, including 7,158,750 kilowatts in generating stations owned by the Commission.

The increase in power requirements in 1964 was over 400,000 kilowatts. Even larger increases can be expected in future years, as experience indicates that the long-term rate of growth in the demand for power approximates 6.5 per cent per annum. Since additional generating capacity, somewhat in excess of these requirements, will therefore be needed year by year, the Commission has already taken the initial steps for the construction of facilities that will be brought into

service in the period 1965 to 1971. A reflection of this continuing growth was the Commission's authorization during the past year of the largest program expansion in any 12-month period in its history. The facilities to be added in the coming seven-year period, together with units already scheduled or under construction, will have a total installed capacity of 5,200,000 kilowatts. This total exceeds the capacity of all the resources available to the Commission as recently as 1957.

These facilities include hydro-electric stations as well as conventional and nuclear thermal-electric stations. The major stations to be built are the 2,000,000-kilowatt coal-fired Lambton Generating Station near Sarnia, where four 500,000-kilowatt units are to be placed in service in the years 1968 to 1971, and the 1,080,000-kilowatt Pickering Generating Station, a nuclear station, where one unit is scheduled for service in each of the years 1970 and 1971.

It is expected that by 1975 the Commission will be providing over 3,000,000 kilowatts in nuclear-generated power. There is every indication also that the Commission's present total resources will have to be increased to 22,000,000 kilowatts over the next 15 years, and this will mean that the Commission must build into its system during this period of 15 years twice the capacity that has been provided since the Commission was established nearly 60 years ago.

In 1964 the main centres of construction activity were the thermal-electric Lakeview Generating Station near Toronto, the Douglas Point Nuclear Power Station near Kincardine, and two hydro-electric projects, Harmon and Kipling Generating Stations on the Mattagami River in northern Ontario. Other major construction activity included the first part of a two-year program for the rehabilitation and enlargement of the Chippawa Power Canal in the Niagara Falls area, and the continuation of work on the extra-high-voltage transmission line southward from the vicinity of Sudbury to Kleinburg Transformer Station. This line will bring power developed at the far northern sites to load centres in the Toronto area.

With persistent low-water conditions in southern Ontario, the security and cost of fuel supply for the operation of the Commission's thermal-electric stations took on added importance. During 1964, purchases of coal from sources in Nova Scotia and the United States amounted to $29 million. In addition to a five-year contract negotiated in 1963 with Nova Scotia suppliers for 2,850,000 tons, the Commission now has two long-term contracts with United States sources covering the supply and delivery of fixed percentages of its total fuel requirements, and these arrangements have effected substantial reductions in the unit cost of coal.

The cost per kilowatt-hour for electrical service to the ultimate customer can be maintained at the present satisfactory levels in the face of other rising costs only if operating and maintenance practices are steadily improved, and if the market for electric energy is expanded in order to make the most effective use of the facilities installed. The implementation of new methods and procedures, as a result of operations research and the continuous search for improvements in work techniques, has made important contributions to this end.

Revenue from the sale of primary power and energy in 1964 amounted to $288.8 million as compared with $269.5 million in 1963. Capital expenditures during the year were $110 million.

To my fellow Commissioners I extend sincere thanks for their support and assistance in the administration of the Commission's affairs.

The management and the staff at large have continued, as in the past, to meet their responsibilities with faithfulness and dispatch. Their contribution towards another year of achievement is gratefully recognized.

The goal of the Commission and the associated municipal utilities is that electrical service shall be available at the lowest cost consistent with a modern and high standard of supply. In the pursuit of this goal, it is gratifying for me to acknowledge the continuing support of the municipal electric commissions and their staffs. Their support both as individual utilities and as members of the Ontario Municipal Electric Association and the Association of Municipal Electrical Utilities has been most effective in assisting with the problems and in meeting the challenge prevailing in the energy market today.

Respectfully submitted,

W. Ross Strike,
Chairman.

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OF

The Hydro-Electric Power Commission of Ontario

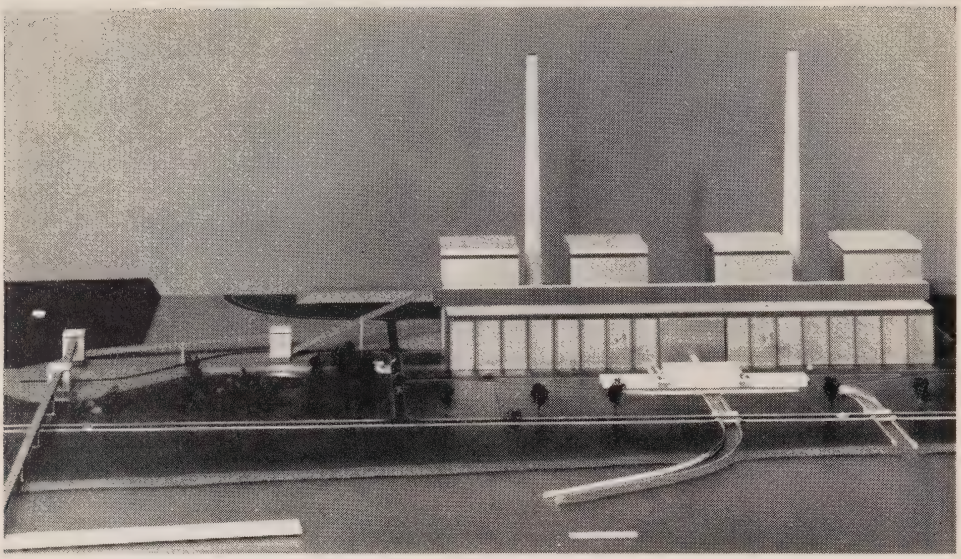
FOREWORD

THE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1960, c. 300, as amended). The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. Under the Act as amended early in 1962, two Commissioners may be members of the Executive Council of the Province of Ontario.

The Power Supply

Power is provided through the facilities of two operating systems, the East System and the West System, which, though not physically interconnected, are administered as a unit on behalf of the more than 350 co-operating municipalities, and other Commission customers.

The Commission is primarily concerned with the provision of electric power by generation or purchase, and its delivery in bulk either for resale, chiefly by



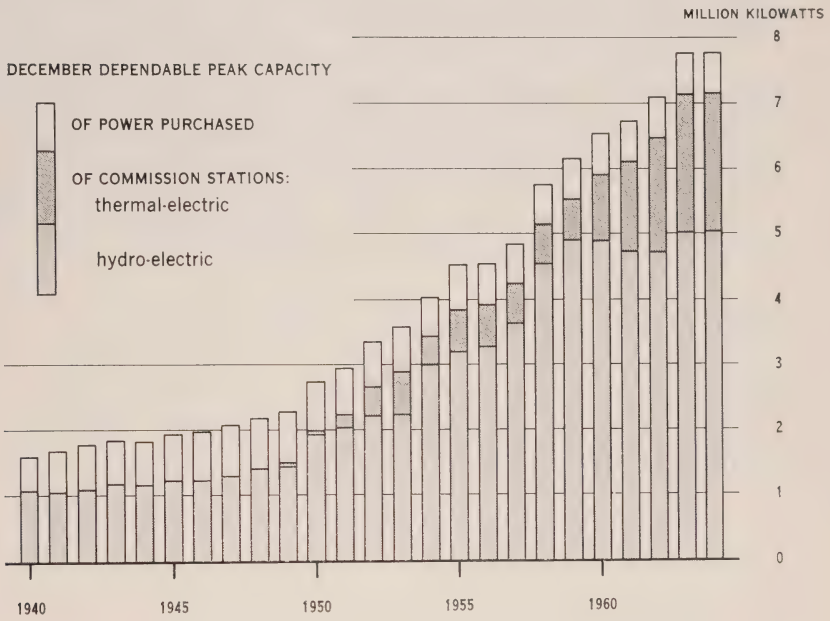
LAMBTON GENERATING STATION — This scale model shows how the station, to be constructed on the St. Clair River about 14 miles south of Sarnia at an estimated cost of $220 million, will appear when completed in 1971. The powerhouse will be a steel frame structure with aluminum cladding, 930 feet long, and 220 feet high to the top of the boiler towers. The chimneys, both 550 feet high, will each serve two of the four 500,000-kilowatt units to be installed at the station.

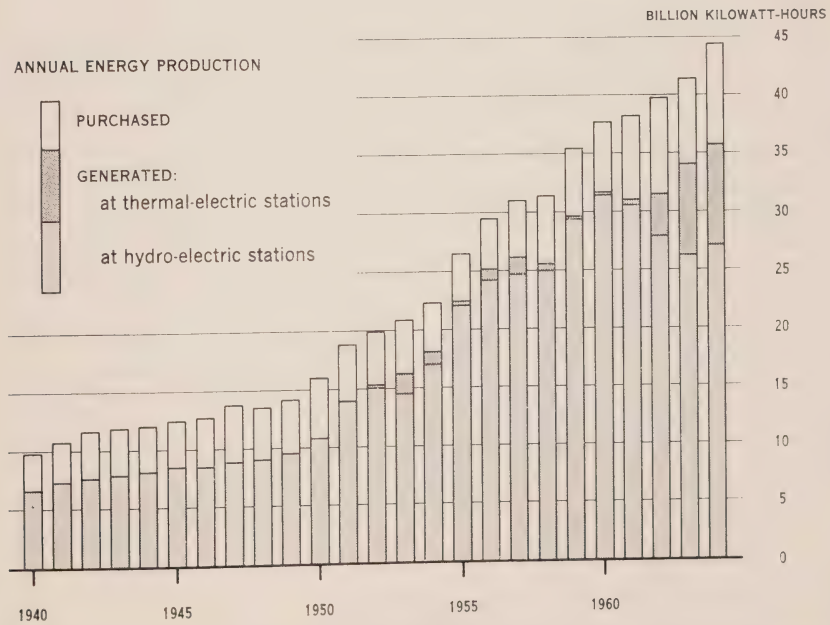
the associated municipal utilities, or for use by certain direct customers, for the most part industrial. This primary aspect of operations accounts for more than 90 per cent of the Commission's energy sales. The remaining sales are made to retail customers either in rural areas or in certain communities not served by municipal electrical utilities. Apart from this particular operation by the Commission retail service throughout the Province is generally provided by the associated municipal electrical utilities, which are owned and operated by local commissions functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act.

Under this legislation, the Commission, in addition to supplying power, is required to exercise certain regulatory functions with respect to the municipal utilities served. In order to provide convenient expeditious service in this dual function of regulation and supply, the Commission maintains offices in certain suitably located cities where local administration is provided for the seven administrative regions into which the Province is now divided. Following completion of the progressive amalgamation of the East Central and Eastern Regions in 1964, the East System now comprises six regions, the Western, Niagara, Central, Georgian Bay, Eastern, and Northeastern Regions. The West System, with the Northwestern Region, remains unchanged. The dividing line between the East and West Systems corresponds roughly with the boundary dividing the Thunder Bay District from the Districts of Algoma and Cochrane.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION





Financial Features

The basic principle governing the financial operations of the Commission and its associated municipal electrical utilities is that service is provided at cost. In the Commission's operations, cost of service includes payment for power purchased, charges for operation, maintenance, and administration, and related fixed charges. The fixed charges represent interest, an allowance for depreciation, and provision for a sinking fund for the retirement of the Commission's long-term debt. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year, when the actual cost of service is established, the necessary balancing adjustments are made in their accounts. Retail rates for the municipal utilities are established at levels calculated to produce revenue adequate to meet cost. The Commission's retail rate structure for most rural services has been uniform throughout the Province since 1944.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, the Province has materially assisted the development of agriculture by contributing under The Rural Hydro-Electric Distribution Act toward the capital cost of extending rural distribution facilities.

Statistical

		1955
Dependable peak capacity, December	thousand kw	4,530
Primary power requirements, December	thousand kw	4,229
Annual energy generated and purchased	million kwh	26,555
Primary	million kwh	23,258
Secondary	million kwh	3,297
Annual energy sold by the Commission	million kwh	23,888
Annual revenue of the Commission (net after refunds)	million $	162
Fixed assets at cost	million $	1,573
Gross expenditure on fixed assets in year	million $	115
Total assets, less accumulated depreciation	million $	1,788
Long-term debt	million $	1,209
Transmission line	circuit miles	16,115
Primary rural distribution line	circuit miles	43,851
Average number of employees in year		17,278
Number of associated municipal electrical utilities		343
Ultimate customers served by the Commission and municipal utilities	thousands	1,540

Annual Summary

Revenue from the sale of primary power and energy in 1964 amounted to $288.8 million as compared with $269.5 million in 1963. The cost of power allocated to customers in 1964 was $289.1 million after withdrawing $11.5 million from the Reserve for Stabilization of Rates and Contingencies, and after applying revenues of $3.1 million from the sale of secondary energy as an offset to the cost of primary power. The corresponding revenue from secondary sales in 1963 was $3.0 million.

The main centres of construction activity during 1964 were the thermal-electric Lakeview Generating Station near Toronto, the Douglas Point Nuclear Power Station near Kincardine on Lake Huron, and two hydro-electric projects, Harmon and Kipling Generating Stations on the Mattagami River in northern Ontario. Other major construction activity included the first part of a two-year program for the rehabilitation and enlargement of the Chippawa Power Canal in the Niagara Falls area, and the continuation of work on the extra-high-voltage transmission line from the vicinity of Sudbury to Kleinburg Transformer Station near Toronto.

At Lakeview Generating Station the third unit, though in service early in the year, was still undergoing commissioning tests at the end of the year. During 1964 decisions were made to proceed with construction of the 2,000,000-kilowatt

Summary 1955-64

1956	1957	1958	1959	1960	1961	1962	1963	1964
4,552	4,844	5,761	6,155	6,526	6,734	7,088	7,756	7,776
4,514	4,784	5,139	5,556	5,746	5,949	6,293	6,797	7,210
29,523	31,101	31,450	35,465	37,709	38,212	39,885	41,471	44,399
25,537	27,405	28,382	31,546	32,717	33,861	35,783	37,644	40,632
3,986	3,696	3,068	3,919	4,992	4,351	4,102	3,827	3,767
26,802	28,288	28,599	32,073	34,317	34,807	36,684	38,466	41,115
183	197	198	213	229	236	249	270	289
1,733	1,931	2,108	2,248	2,361	2,462	2,567	2,665	2,762
173	209	191	154	132	124	114	108	110
2,011	2,255	2,421	2,548	2,660	2,780	2,702	2,753	2,824
1,392	1,573	1,692	1,786	1,844	1,918	1,938	1,959	1,999
16,489	16,717	17,499	17,713	17,831	17,971	18,120	18,642	18,826
44,492	45,375	46,438	47,351	47,896	48,068	48,562	48,993	49,173
18,075	19,597	17,701	15,866	15,179	15,097	14,920	14,387	14,531
350	351	354	354	354	354	355	355	357
1,612	1,674	1,757	1,830	1,881	1,939	1,991	2,042	2,096

coal-fired Lambton Generating Station near Sarnia, the 1,080,000-kilowatt Pickering Generating Station, which will be a nuclear-electric station on Lake Ontario east of Toronto, and Mountain Chute Generating Station, a 160,000-kilowatt hydro-electric station on the Madawaska River in eastern Ontario.

GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the six sections and four appendices of the Report which follow. Operations, finance, and customer relations are the subjects of the first three sections and their related appendices. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's Balance Sheet, Statement of Operations, and certain supporting statements of general interest. In Appendix II are other supporting schedules and accounts, including the statements

MOUNTAIN CHUTE GENERATING STATION — MADAWASKA RIVER — Work on this project in eastern Ontario began early in the fall of 1964. The diversion channel through which water will flow while the dam is being constructed can be seen in the middle foreground to the right of the river. High on the right bank is one of the two large revolver cranes which will place concrete for the dam from a high bridge spanning the valley. The large expanse of ice in the background covers Norcan Lake, part of the headpond of Barrett Chute Generating Station about 10 miles down stream.

of municipal sinking fund equities and of the allocation of the cost of primary power to municipalities. In Section III, consideration is given to various aspects of marketing and of service to the three main groups of the Commission's customers. Supplementary information on rural service is to be found in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff.

Engineering, construction, and research activities are discussed in Sections IV and V. Section IV deals with the planning and construction of power facilities. It includes descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section V contains reports on the progress of some of the tests and investigations being conducted by members of the Commission's Research Division.

Section VI deals with aspects of employee relations, training, and staff administration. Appendix IV lists Orders in Council, and records legislation pertaining to the Commission's affairs.

A large part of the Report is devoted to aspects of retail service to ultimate customers, especially that provided by the municipal electrical utilities. The commentary on these activities and the statistical tables applicable to them are brought together in a supplement to the Report entitled Municipal Electrical Service beginning on page 141. The complete municipal service supplement includes four statements: (1) Statement "A" — balance sheets, (2) Statement "B" — operating statements, (3) Statement "C" — rates, and (4) Statement "D" — other statistical information relating to the municipal systems. As the retail service provided by the Commission in certain municipalities not served by municipal electrical utilities is in all other respects comparable with that provided by the utilities, these municipalities are included in the statistical summaries in the municipal supplement and are also listed in Statements "C" and "D".

SECTION I

OPERATION OF THE SYSTEMS

STREAM-FLOW and storage conditions tended to show some improvement over the extreme conditions experienced in 1963. The improvement was most apparent in the Abitibi, Mattagami, and Mississagi River watersheds, where near-normal or above-normal conditions prevailed at the end of the year. In the northwest, conditions were more than satisfactory, and at the end of the year usable storage there was 15 per cent above normal.

During the second half of the year, the flow southward from Lake Nipigon into Lake Superior was at its permissive maximum of 20,000 cfs, well in excess of the normal flow of 11,000 cfs. In conjunction with above-normal precipitation over Lake Superior, this brought about an increase in the discharge from Lake Superior into Lake Huron. The already below-normal inflow to Lakes Erie and Ontario, however, continued to deteriorate, and mean annual flows of the major rivers of the East System were still well below the average for the preceding 10 years, by 18 per cent for the Niagara, 14 per cent for the St. Lawrence, and 22 per cent for the Ottawa. The difficulties encountered in meeting energy requirements in 1964 differed, therefore, from those in 1963 only in degree.

Power Demands and Resources

The table of Power Supply Statistics indicates an increase of 6.1 per cent in the power requirements of the Commission's customers. The increase is perhaps the more remarkable since the peak in 1964 occurred when power requirements were comparatively moderate because of the mild weather, whereas in

the previous year, a particularly high peak had been recorded as a result of the prevailing severe weather.

There was no significant change in the capacity of the Commission's power resources during 1964. The third 300,000-kilowatt unit at Lakeview Generating Station was in service in the spring, and again in the autumn after major turbine repairs. It was still undergoing commissioning tests at the time of the peak load in December. Only the output of the first two units in service at this station is therefore included in the figure for dependable peak capacity. The capacity of the third unit will continue to be limited until modifications are made to some of the turbine blading.

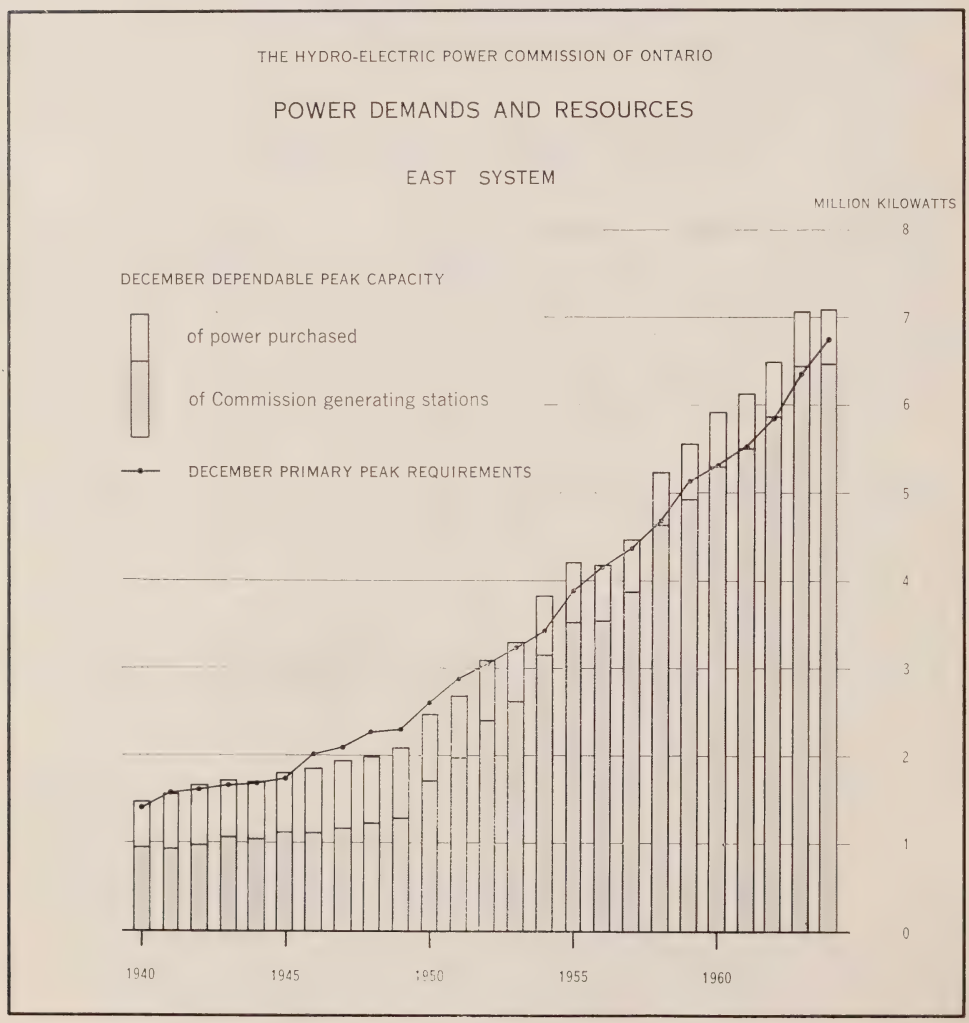
Total energy generated and purchased by the Commission exceeded the 1963 total by 7.1 per cent, hydro-electric production being up 3.1 per cent to 27.1

POWER SUPPLY STATISTICS—1964
(Figures for 1963 and Per Cent Change in Italic)

		East System	West System	Total
Resources				
Dependable peak capacity December	kw	7,089,250	686,500	7,775,750
	kw	*7,069,750*	*686,500*	*7,756,250*
		.3%	—	*.3%*
Requirements				
PRIMARY Peak—Annual maximum	kw	6,745,290	464,910	7,210,200*
	kw	*6,351,426*	*445,480*	*6,796,906**
		6.2%	*4.4%*	*6.1%*
Energy—Total annual	kwh	37,643,614,970	2,987,871,666	40,631,486,636
	kwh	*34,872,790,819*	*2,771,734,954*	*37,644,525,773*
		7.9%	*7.8%*	*7.9%*
Loads				
PRIMARY AND SECONDARY Energy—Total annual	kwh	40,486,070,576	3,912,861,205	44,398,931,781
	kwh	*37,796,977,868*	*3,674,207,316*	*41,471,185,184*
		7.1%	*6.5%*	*7.1%*
PRIMARY ONLY Energy—For use in Ontario	kwh	37,317,596,630	2,987,871,666	40,305,468,296
	kwh	*34,517,095,353*	*2,771,734,954*	*37,288,830,307*
		8.1%	*7.8%*	*8.1%*
Total annual	kwh	37,643,614,970	2,987,871,666	40,631,486,636
	kwh	*34,872,790,819*	*2,771,734,954*	*37,644,525,773*
		7.9%	*7.8%*	*7.9%*

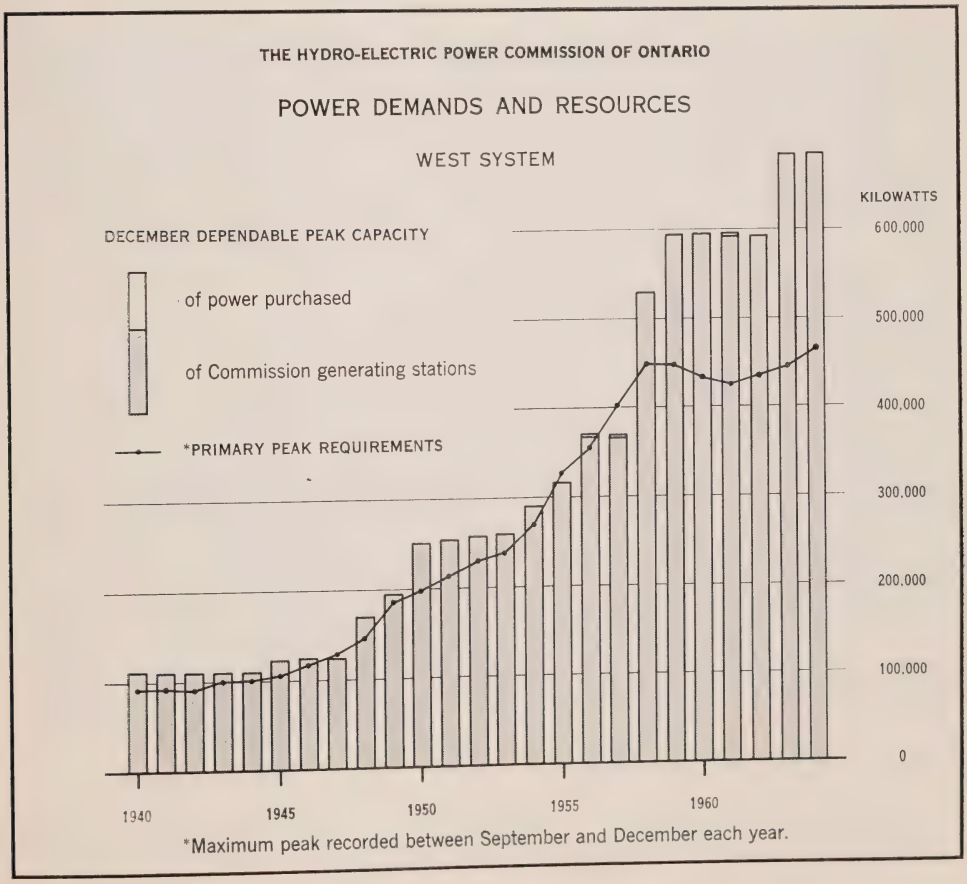
*These annual maxima are the arithmetic sum of the December coincident peaks for each system.

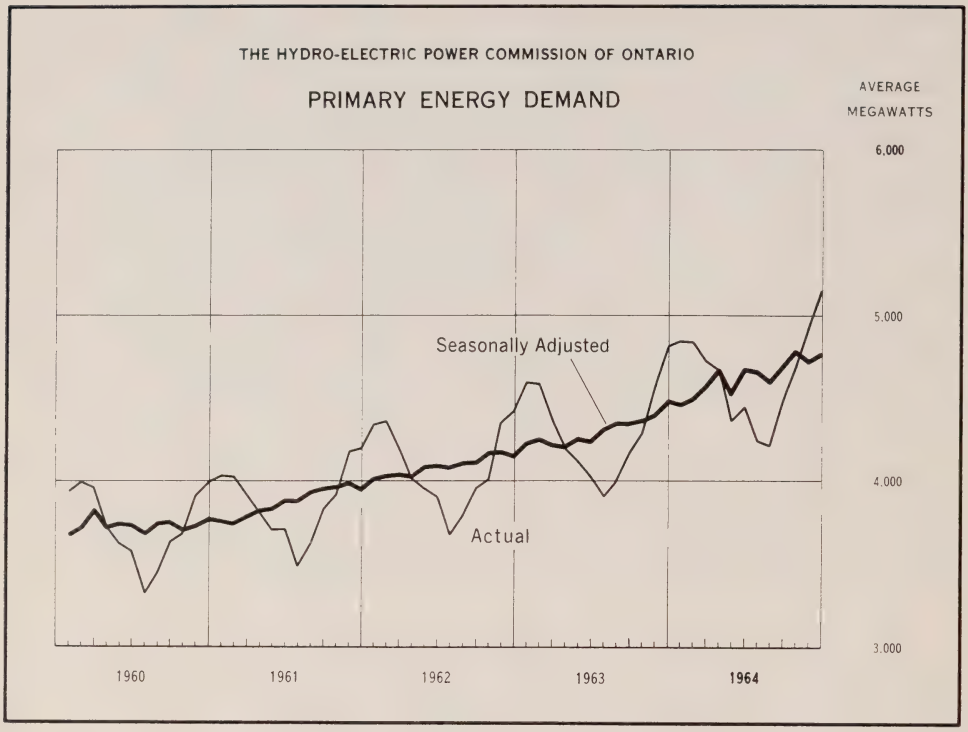
billion kilowatt-hours, thermal-electric production up 10.8 per cent to 8.6 billion kilowatt-hours, and purchases from other suppliers up by 17.2 per cent to 8.7 billion kilowatt-hours. The increase in hydro-electric production was attributable in part to the availability throughout 1964 of two units at Little Long Generating Station, and the third and fourth units at Otter Rapids Generating Station, all of which had been available for only part of 1963. Other contributing factors were improved flows on the Ottawa River and on rivers in the northeastern part of the province, and the availability of the extra-high-voltage line from Pinard Transformer Station to Hanmer Transformer Station, which facilitated the transmission of power from the northern stations. For the first time since the spring of 1954, substantial amounts of power were transferred southward from the Northeastern Region throughout the period of high stream flows in the north. The increase in power purchased resulted largely from the fact that considerable quantities of energy were available from Quebec suppliers.



The expanded operation of thermal-electric stations because of the continuing low-water conditions in southern Ontario resulted in an increase in coal consumption from 2.9 million tons in 1963 to 3.1 million tons in 1964. During 1964, purchases of coal from sources in Eastern Canada and the United States amounted to $29 million. In addition to a five-year contract negotiated with Nova Scotia suppliers in 1963, the Commission now has two long-term contracts with United States suppliers covering the provision and delivery of specified percentages of its total fuel requirements. These arrangements have effected substantial reductions in the unit cost of coal, and will therefore have a favourable bearing on the cost of power. The Commission's coal requirement in 1964, that is actual consumption plus the equivalent of 840,000 tons represented by energy purchased from other utilities as an alternative to production from the Commission's thermal-electric stations, was 3,920,000 tons as compared with 3,400,000 tons in 1963.

On an annual basis, the output of the Commission's thermal-electric stations in the East System was equivalent to 27 per cent of the East System generation as compared with 25 per cent in 1963. As already noted, interconnections were used extensively for the purchase of thermal displacement energy, and as a





COMBINED SYSTEMS ENERGY DEMAND SEASONALLY ADJUSTED — The heavy black seasonally adjusted curve is a more readily interpreted and continuous indication of variation in the rate of growth than the actual curve, since the former is freed of the fluctuations associated with the seasons. The scale is a measure of energy demand per hour. The figure plotted for any month is the number of megawatt-hours (thousands of kilowatt-hours) divided by the number of hours in the month. It follows that any figure plotted, when multiplied by the number of hours in the year, would give the annual rate of energy demand at that point in time.

source of emergency reserve. Had thermal displacement energy not been available, the Commission's thermal-electric resources would have been called upon to provide 31 per cent of the total East System generation.

On-power fuelling at the Nuclear Power Demonstration station, carried out for the first time in November 1963, was continued as a routine operation throughout 1964 in 280 successful fuel shifts. The Douglas Point Nuclear Power Station, according to the present schedule, is to be on the line in the summer of 1966. The Commission has agreed to provide training and commissioning services on behalf of Atomic Energy of Canada Limited for a station of similar size and design to be built in India, and the first group of Indian staff arrived for training in the autumn of 1964.

Operating Incidents of Importance

On January 13, 1964, unfavourable winds and ice in the Niagara River restricted the daily average flow in the river to 89,400 cfs, the lowest level since

the inception of records of daily rates in 1926. On this occasion, drawdown of storage at many of the Commission's stations was accelerated, and the maximum use was made of interconnections with other utilities. An ice boom placed across the entrance to the river late in 1964 as a joint project of the Commission and the Power Authority of the State of New York has already proved its worth in restricting ice accumulation in the river.

On June 23, high winds brought down six towers of the ehv line between Pinard and Hanmer Transformer Stations. The line was out of service for five days while a wood-pole diversion was constructed around the damaged towers. On August 1 the failure of a breaker to open resulted in fire damage to the generator stator of Unit 3 at Caribou Falls Generating Station. The carbon-dioxide fire prevention system was effective in confining the fire damage.

As part of a two-year plan to rehabilitate and improve the Chippawa Power Canal, the canal was dewatered from May until the end of October. It was returned to service on November 1 so that the maximum amount of water would be available during the winter heavy load period.

LAKE ERIE - NIAGARA RIVER ICE BOOM — The sharply scalloped ice edge across the centre of the photograph indicates the position of the ice boom which was placed across the Lake Erie entrance to the Niagara River in December 1964 as a joint undertaking of Ontario Hydro and the Power Authority of the State of New York. The boom is expected to accelerate the rate of ice cover formation over the lake, and to reduce the frequency and extent of the movement of lake ice down the river with its adverse effects on power production.

WORK ON THE CHIPPAWA POWER CANAL — Four main phases of the work of rehabilitation and enlargement carried out along parts of the 7½-mile canal during 1964 are shown in the photographs. UPPER LEFT — A high-pressure monitor on a barge is used before the canal is fully dewatered to scale soil and loose rock from the upper walls. UPPER RIGHT — A fast-setting mixture of cement and sand is sprayed from a movable scaffold over wire mesh applied on the upper walls. Sections of wall treated in this way can be seen in the foreground at either side of the canal. LOWER LEFT — Blasting mats are placed before charges are detonated to shatter concrete and rock at the bottom of the canal. LOWER RIGHT — An excavator scoops up shattered rock, which is removed from the canal by the trucks in the background.

MAINTENANCE OF THE SYSTEMS

Mechanical Maintenance

Water-wall tube failure attributable to corrosion in the boilers for Units 5 and 6 at Richard L. Hearn Generating Station was the occasion in 1964 for the first acid cleaning of the boiler tubes since the units were placed in service. This was followed by preventive treatment in similar fashion for the boilers of Units 7 and 8, which involved the removal of substantial quantities of copper and iron. It would appear that boilers operating at or in excess of 1,800 pounds pressure should be acid cleaned on a three-year cycle.

Further study is being given to the problem of the economic disposal of fly ash. Though small quantities having an acceptably low carbon content can be used as a cement replacement in concrete, the most likely solution to the disposal problem will be sintering to produce light-weight aggregate.

When turbo-generators at Richard L. Hearn Generating Station were started up following the replacement of blades during overhaul, and subsequently when they were under full load, vibration checks were made to provide information for routine checking and for analyzing balancing needs for other units. Continuous careful study of maintenance problems at the conventional thermal-electric stations permits more effective evaluation and recommendations for the purchase of new equipment.

Internal inspections of the three reinforced concrete chimneys at Richard L. Hearn Generating Station, and detailed inspection of chimney No. 1 at Lakeview Generating Station have added materially to the store of information on the maintenance of tall chimneys.

A new bearing baffle and vacuum exhaust system for removing oil vapour from the lower guide bearing were designed and installed on the frequency changer at Sir Adam Beck-Niagara Generating Station No. 1. This equipment is working well and oil leakage, which had been excessive, is now minimal. The program of converting to automatic turbine greasing was intensified during 1964.

Extensive concrete repairs in the Northeastern Region included such items as resurfacing the George W. Rayner Generating Station breaker deck, repairing the downstream substructure wall of the powerhouse at Matabitchuan Generating Station and the sluiceway pier at Upper Notch Generating Station, and raising the core wall of Wawaitin Generating Station dam.

A comprehensive maintenance program was carried out to ensure serviceability of the Chippawa Grass Island Pool Control Structure. Two sets of structural steel frames, concrete ballast slabs, and emergency gates, one set for the upstream area and the other for the downstream area, are required to dewater

MUSKEG STUDIES — As part of a one-week "Muskeg School" held for Commission foresters in the late spring of 1964, a field party, under Dr. Norman Radforth of McMaster University, studies the bog-like conditions that are one of the major factors with which the Commission must contend in the operation and extension of its system. Dr. Radforth, the bearded man at the centre of the group, is an internationally known authority on muskeg, its properties and classification.

a rollway area to permit work on the gate. Since the installation and removal of this equipment required approximately one-third of the time available for work on each gate, it was evident that additional dewatering equipment would expedite the job and result in monetary savings. The use of one additional set of structural steel frames eliminated double handling of the concrete ballast slabs and effected a saving of slightly over $7,000 this year, with further savings expected in subsequent years. In addition, the work scheduled was completed in the time allotted.

A new helicopter hangar at Malton was completed in May 1964. It will not only house the helicopter fleet, but will also provide space for an administrative office, and for work and storage.

The changing condition of the rock face above the Ontario Power Generating Station at Niagara Falls gave rise to a recommendation for a variety of protective and investigatory measures with a view to devising a satisfactory solution to the condition by late summer in 1965.

Both units at Little Long Generating Station required major repairs and modifications of speed-ring stay-vanes which had cracked as a result of fatigue

induced by vibration. A joint team made up of staff of Ontario Hydro and of the manufacturer consisting of seven men per 12-hour shift during the peak work period and additional grinders as required, worked about one month on each machine and applied more than 3,000 pounds of welding electrode. The units were returned to service in September with restrictions on the tailwater elevation limiting the flexibility of the station as a peaking plant. When subsequent tests showed that the modifications were effective in eliminating vibration, these restrictions were removed.

Electrical Maintenance

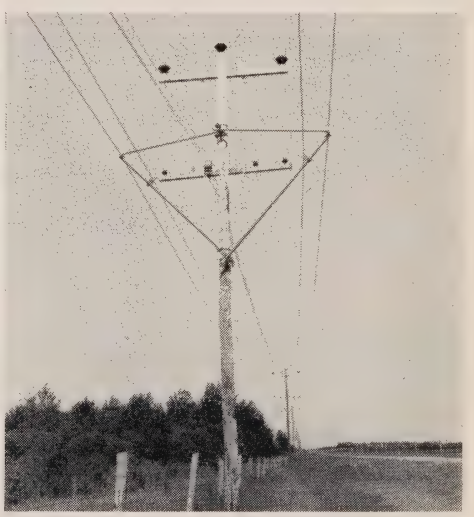
The number of stator-winding failures in hydraulic generators was more than usually high in 1964. It was possible by making repairs with the coils in place, or by cutting out the defective coils, to keep most outages to a minimum. Four units, however, did require complete stator-winding replacements. One of these, a 28,000-kva unit at Caribou Falls Generating Station was returned to service in four months, which, considering the size of the unit, is a relatively short period. The failure of the 50,000-kva frequency changer at Sir Adam Beck-Niagara Generating Station No. 1 required the complete dismantling of both the winding and stator-iron assemblies, an extensive operation that was completed in four months.

A familiar and often reassuring sight to inhabitants of the Manitoulin Island area of Georgian Bay, Ontario Hydro's sturdy 39-foot work-boat "Nanabush" carries line crews and heavy equipment to service cottage customers in locations not readily reached by other means.

Line Maintenance

By stringing replacement conductors under tension, the line maintenance crews are now able to install improved facilities without disconnecting the operating circuits. The latter are set out sufficiently from the poles and structures by the use of standard live-line tools to provide safe clearance for the carefully controlled stringing of the heavier conductor by means of the tensioning equipment. The changeover to the new facilities can then be made by bare-hand techniques, employing insulated bucket trucks, without service interruption. Inspection of spacer-dampers on certain sections of the ehv line, also without interruption of service, was carried out through the use of an insulated bucket truck.

For the high-voltage underground cable system the major maintenance requirement was the replacement or repair of sheath insulators and the repair of joints where solder wipes were defective. For the relocation of approximately 2,000 circuit feet of cable between Richard L. Hearn Generating Station and Toronto-Main Transformer Station, a new technique was applied for the first time, the use of a steel messenger wire to relieve the pulling tension on the cable. Oil-o-static cable has been selected for installation on the circuit to Toronto-Dufferin Transformer Station.



STRINGING NEW CIRCUIT OVER LIVE LINES — A new line-stringing procedure which permits a transmission circuit to be strung above another on the same poles without removing the lower circuit from service was thoroughly tested and used for the first time in 1964 in stringing 24 miles of new 44,000-volt line in the Commission's Northwestern Region. The machines at the left are used to pay out the new conductors and maintain the tension required to keep them from contacting the live lower lines while they are pulled over blocks on the crossarms by another machine about three miles down the line. The operators, standing on grounded steel mats bonded to the machines, are kept at the same potential as the machines and are thus protected against accidental shocks if one of the new conductors were to contact a live line. On the pole at the right, live-line tools are used to spread the lower live lines in order to create clearance for the new conductors as they pass from the tensioners at ground level to blocks on the top crossarms of the further poles.

The helicopter, both as a construction tool and as a vehicle for line and right-of-way maintenance, continues to have wide use in the Commission's operations. A large machine was used in constructing the 115-kv line between Kapuskasing and Hearst, and in laying submarine cable in the vicinity of Parry Sound. The total fleet of ten machines was in the air approximately 5,650 hours during the year, in part for the foregoing construction work and for other construction work at Little Long Generating Station and on the ehv line, in part for inspection patrol of approximately 153,000 circuit miles of transmission line and the chemical spraying of rights-of-way.

Forestry

As part of a continuing training program, the Commission's entire staff of forestry foremen participated by groups of 12 in week-long technical conferences dealing with the latest developments in arboriculture, and recent improvements in tools, equipment, and materials.

The Commission's booklet on general specifications for the chemical spraying of vegetation was revised in 1964. It now contains the most up-to-date information on brush control, weed spray and soil sterilization. An additional supply of the Commission's booklet, *A Guide for the Selection of Trees for City Streets,* was printed. Over 1,000 copies have been distributed to the Commission's customer municipalities, and in answer to enquiries from other organizations, some of which were outside the province.

Forestry work generally is rapidly reaching the point where pruning for line clearing can be done on a four-year cycle. In some regions the ideal of a three-year cycle is virtually attainable, with less trimming work therefore being required on the shorter cycle. The result has been an over-all increase of more than 13 per cent in the number of trees treated in the past year in the course of clearing some 15,000 miles of transmission and rural distribution lines. Under a short-cycle schedule good protection can be given to lines at considerably reduced cost. Although the removal of large numbers of trees attacked or overcome by Dutch elm disease has in recent years required substantial assistance by contractors, the Commission's forestry staff may, under the now prevailing conditions, be able to handle the tree removal program.

Experiments with a new chemical, tordon, indicate that it may have superior qualities in controlling conifer growth. Further field trials will be made in 1965 to determine its future use in the Commission's spraying operations. Among other new techniques is the stereoscopic interpretation of aerial photographs of rights-of-way to establish the nature of the terrain over which the spray equipment must move and thus determine whether wheeled, track, or aerial equipment is best suited to the job. In addition, the most convenient access roads and water supply points can be located.

During the year the Commission acquired five trim-lift trucks, and nine timber jack vehicles, bringing the total in use to 10 and 11 respectively. The latter is a wheeled vehicle with an articulated frame, particularly well suited for operation over rough, hilly terrain.

SECTION II

FINANCE

THE Balance Sheet and the Statement of Operations are included in this section of the Report, together with the Summary of the Allocation of the Cost of Primary Power and three other statements (1) Reserve for Stabilization of Rates and Contingencies, (2) Equities Accumulated through Sinking Fund Provisions and Interest and (3) Source and Application of Funds. Supporting statements and schedules are in Appendix II, which includes a detailed statement of the allocation of the cost of primary power. This statement itemizes for each municipality its share of the total cost of power, the amount billed under its interim rate and the resulting refund or additional charge.

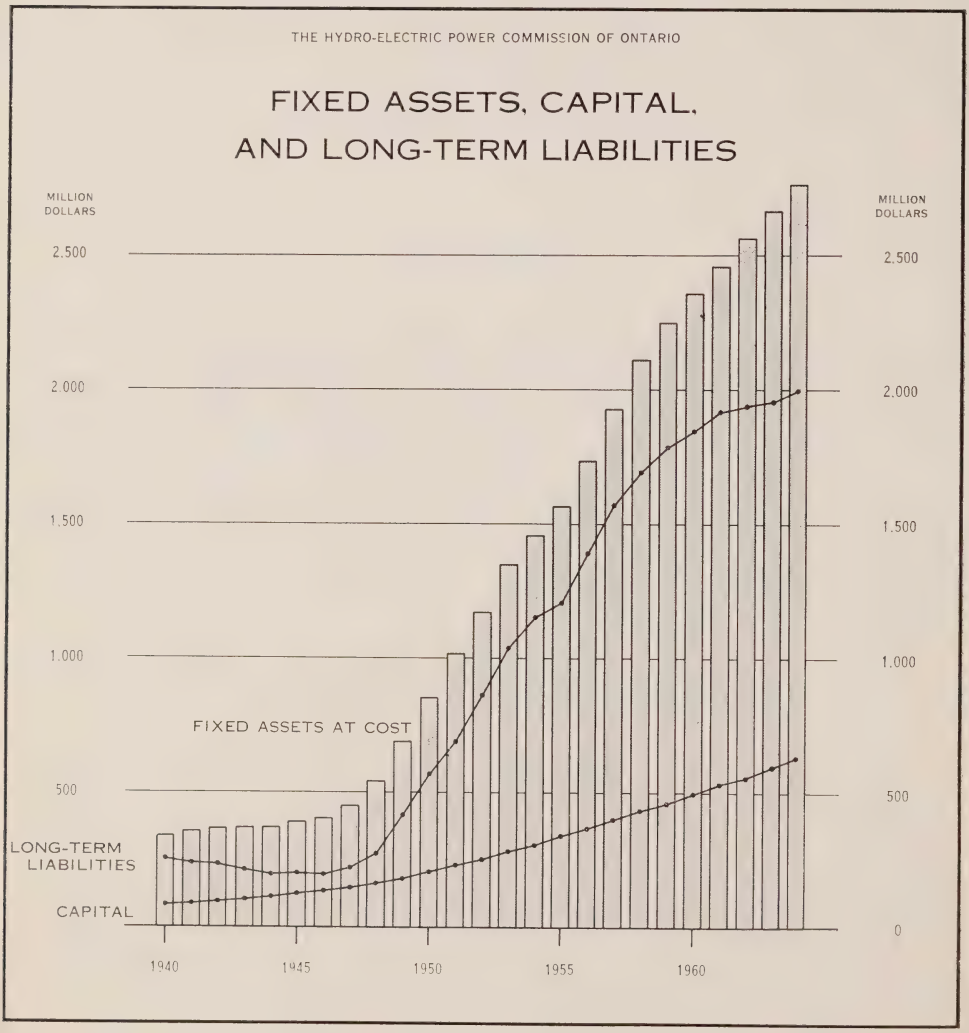
The statement of assets held for the pension and savings and insurance funds is set out separately in the Staff Relations section on page 85.

The customers of the Commission are subdivided into three main groups. The group designated as Municipalities comprises the municipal electrical utilities served with power at cost for resale to their customers. The second group is the Direct Customers. These are for the most part industrial companies, some located within the boundaries of the Municipalities and some outside these boundaries, but all served directly by the Commission. Finally there are the retail customers of the Commission located either in rural areas or in certain towns, townships, and villages where the Commission owns the distribution facilities.

Financial Position

Fixed assets less accumulated depreciation increased by $63.8 million during the year, and at December 31, 1964 amounted to $2,362.6 million.

The expenditures on fixed assets during 1964 amounted to $110.1 million, including outlays of $26.3 million on hydro-electric generating facilities and $29.7 million on thermal-electric generating stations. The major outlays in the hydro-electric generation total were expenditures of $16.8 million on the Mattagami River projects, $3.8 million on the Queenston-Chippawa Canal, and $1.7 million on the Mountain Chute project on the Madawaska River. The total on thermal-electric generating stations was in large part the expenditure of $27.5 million at the Lakeview Generation Station. Expenditures of $16.8 million on transformer stations and $16.3 million on transmission lines include $3.7 million on extra-high-voltage stations and $8.3 million on extra-high-voltage lines. Of the $18.6 million



LAKEVIEW GENERATING STATION — When this photograph was taken in August 1964, the first and second 300,000-kilowatt units at the station were in service, installation of the third and fourth units was well under way, and the erection of steel work and the stack for the fifth and sixth units had begun. The station will house a total generating capacity of 2,400,000 kilowatts in eight units by 1968.

expended on retail facilities, the Province of Ontario contributed $519,872 to assist in the construction of rural facilities in northern Ontario.

Long-term liabilities were $1,999.3 million at December 31, 1964, reflecting a net increase of $40.5 million during the year. New borrowings amounted to $140.0 million.

The balance in the Reserve for Stabilization of Rates and Contingencies amounted to $133.3 million at the end of 1964, down $5.8 million from the balance at the end of 1963. This reserve has been established to absorb the effects on costs of variations in stream flows, the possibility of loads falling short of the levels forecast when generating facilities were planned, major physical damage to plant and equipment or their premature retirement, exchange risk on debt payable in United States funds, and other contingencies arising in the operations of the Commission. It is not used to offset normal increases in cost.

Equities accumulated through sinking fund provisions and interest increased by $37.5 million during 1964 to an accumulated amount of $514.1 million at the year end. Of the amount provided, $21.0 million were used to retire bonds and to repay provincial advances.

Revenues

In 1964 the Commission's revenues from the sale of primary power and energy exceeded 1963 revenues by 7.2 per cent and amounted to $288.8 million after refunds of $624,166 to municipalities to adjust interim revenue to allocated cost. Revenue from municipalities amounted to $167.7 million; although there were some increases in rates, the increase of 9.8 per cent over revenue for the previous year was due primarily to increased sales. Largely as the result of increased sales, revenue from the Commission's retail customers rose by 4.2 per cent to $71.1 million, and revenue from customers served directly by the Commission with power in bulk rose by 3.1 per cent to $50.0 million.

Costs

Costs before reserve withdrawals amounted to $300.6 million, and were $13.5 million, or 4.7 per cent greater than comparable 1963 costs. The costs of operation, maintenance, administration, purchased power, and fuel rose by $7.8 million and at $135.1 million were 6.1 per cent greater than comparable 1963 costs. Other factors contributing to higher costs were an increase in interest expense of $3 million, which results mainly from the issue of bonds in 1964, and an increase of $2.4 million in the provision for depreciation, which reflects the growth in fixed assets in service. A withdrawal of $11.5 million was made from the Reserve for Stabilization of Rates and Contingencies to offset abnormal costs resulting from

WESTERN REGIONAL OFFICE BUILDING — The effective use of electricity in the Commission's new administration office in London, Ontario provides an unusually good working environment. In all working areas, light of high intensity but without glare is provided by fluorescent luminaires. An air-conditioning system employs a heat pump to collect the waste heat from these lighting units and other equipment. By redistributing this heat, it warms the building in winter, and by removing the heat, cools it in summer. The system includes supplementary resistance heaters, but these are used in the day-time only during unusually cold weather.

adverse stream-flow conditions. After this withdrawal, the total cost allocated to customers in 1964 was $289.1 million, up 8.6 per cent over the corresponding cost in 1963.

Data Processing

The main effort during the year was given to engineering and scientific applications, and to the first stage of the materials information system, which will provide for inventory control and other allied functions. Considerable modification was needed also to data processing systems already in operation.

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT

(with comparative figures

ASSETS

	1964	1963
	$	$
FIXED ASSETS AT COST:		
In service	2,640,079,934	2,572,296,159
Under construction	122,154,822	92,646,527
	2,762,234,756	2,664,942,686
Less accumulated depreciation	399,684,737	366,223,335
	2,362,550,019	2,298,719,351
FREQUENCY STANDARDIZATION:		
Cost to be written off in future years	143,445,954	159,497,539
CURRENT ASSETS:		
Cash	12,129,816	7,536,955
Temporary investments, at market value	4,100,000	5,750,000
Accounts receivable	40,197,811	39,882,072
Coal at cost	21,109,376	19,985,126
Tools and equipment at cost less depreciation	13,177,475	12,209,994
Other materials and supplies at cost	11,951,194	11,258,148
	102,665,672	96,622,295
DEFERRED CHARGES AND OTHER ASSETS:		
Bond discount and expense less amounts written off	22,018,986	19,839,464
Long-term accounts receivable	3,927,303	3,575,784
Other assets	5,285,023	5,541,698
	31,231,312	28,956,946
INVESTMENTS:		
Investments at amortized cost—approximate market value $181,861,000 (1963—$164,960,000)		
Reserve for stabilization of rates and contingencies	138,201,477	140,212,307
Sinking fund	43,122,729	25,594,667
Employer's liability insurance fund	3,234,537	3,215,929
	184,558,743	169,022,903
	2,824,451,700	2,752,819,034

AUDITORS' REPORT

We have examined the balance sheet of The Hydro-Electric Power Commission of Ontario as at December 31, 1964, and the statements of operations and source and application of funds for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of the accounting records and other supporting documents as we considered necessary in the circumstances.

In our opinion, the accompanying balance sheet and statements of operations and source and application of funds present fairly the financial position of the Commission as at December 31, 1964, the results of its operations, and the changes in its working capital for the year ended on that date.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
May 7, 1965

COMMISSION OF ONTARIO

DECEMBER 31, 1964

as at December 31, 1963)

LIABILITIES, RESERVE, AND CAPITAL

	1964	1963
	$	$
LONG-TERM LIABILITIES:		
Funded debt	1,991,226,300	1,949,245,300
Advances from the Province of Ontario	9,102,657	10,685,726
Total at par of exchange, including $60,762,894 maturing in 1965	2,000,328,957	1,959,931,026
Less exchange discount (net) incurred on $345,900,657 payable in United States funds	1,056,266	1,116,668
	1,999,272,691	1,958,814,358
CURRENT LIABILITIES:		
Interest accrued on long-term liabilities	28,105,614	26,611,598
Accounts payable and accrued charges	23,136,354	26,136,826
	51,241,968	52,748,424
DEFERRED LIABILITIES		
Customers' deposits	5,042,459	4,707,501
Employer's liability insurance fund	3,257,167	3,171,367
	8,299,626	7,878,868
RESERVE FOR STABILIZATION OF RATES AND CONTINGENCIES	133,312,498	139,068,625
CONTRIBUTED CAPITAL:		
Equities accumulated through sinking fund provisions and interest	514,141,475	476,645,189
Province of Ontario, assistance for rural construction	118,183,442	117,663,570
	632,324,917	594,308,759
	2,824,451,700	2,752,819,034

NOTE

Commitments under uncompleted contracts for the construction of fixed assets are approximately $150,000,000.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENT OF OPERATIONS

for the Year Ended December 31, 1964
(with comparative figures for 1963)

	1964	1963
	$	$
COST OF PRIMARY POWER:		
Operating, maintenance, and administrative expenses	88,741,299	85,861,325
Power purchased	18,166,473	14,929,753
Fuel used for electric generation	28,223,435	26,516,929
	135,131,207	127,308,007
Interest (Note 1)	71,903,937	68,945,813
Depreciation	40,129,173	37,689,579
Contribution to Capital—sinking fund provision and interest (Note 1)	37,153,668	37,983,714
Amortization of frequency standardization cost (Note 2)	19,442,529	18,257,158
Sales of secondary energy	*3,104,752*	*3,022,388*
Total, before reserve withdrawals	300,655,762	287,161,883
Withdrawals from the reserve for stabilization of rates and contingencies (Note 3)	*11,507,117*	*20,933,540*
Cost of primary power allocated to customers	289,148,645	266,228,343
AMOUNTS BILLED FOR PRIMARY POWER:		
Municipalities (at interim rates)	168,345,300	154,480,457
Direct customers	50,020,452	48,520,247
Retail customers	71,072,737	68,238,026
Total	289,438,489	271,238,730
EXCESS OF AMOUNTS BILLED OVER COST	289,844	5,010,387
Credited to Municipalities	624,166	1,705,444
Transferred to the reserve for stabilization of rates and contingencies	*334,322*	3,304,943
	289,844	5,010,387

NOTES

1. Interest cost includes interest on long-term liabilities and the reserve, less interest capitalized and interest earned on investments. The 1963 comparative figures have been adjusted to reflect the reclassification of interest on sinking fund equities from Interest to Contribution to Capital.

2 The frequency standardization assessments shown above comprise charges to certain customers based on the average of their 12 monthly peaks as follows:

$5.00 per kilowatt to all 60-cycle customers in the standardized area of the former Southern Ontario System	$17,843,967
$1.25 per kilowatt to direct and retail customers in the former Northern Ontario Properties.	970,978
	18,814,945
In addition an amount equal to the net revenue on the export of 60-cycle secondary energy from the former Southern Ontario System has been appropriated as in prior years for the amortization of frequency standardization costs	627,584
Total amortization as shown in the Statement of Operations	$19,442,529

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

SUMMARY OF THE ALLOCATION OF THE COST OF PRIMARY POWER

for the Year Ended December 31, 1964

	Municipalities	Direct Customers		Retail Customers	Total
		Within Municipalities	Outside Municipalities		
Primary Power and Energy Supplied during Year:					
Average of 12 monthly peaks in kilowatts	4,115,442.2	413,571.0	835,514.0	793,223.2	6,157,750.4
Total energy in megawatt-hours	24,316,413.6	3,121,510.2	5,975,053.2	4,336,377.9	37,749,354.9
	$	$	$	$	$
Cost of Primary Power:					
Cost excluding items shown below	166,666,354	17,216,873	34,701,737	70,808,737	289,393,701
Frequency standardization assessments (Note 2)	15,660,513	444,697	825,067	1,884,668	18,814,945
Credits resulting from matured sinking fund	*6,870,993*	*525,509*	*33,229*	*123,153*	*7,552,884*
Total, before reserve withdrawals	175,455,874	17,136,061	35,493,575	72,570,252	300,655,762
Withdrawals from the reserve for stabilization of rates and contingencies (Note 3)	*7,734,740*	*763,913*	*1,543,290*	*1,465,174*	*11,507,117*
Cost of primary power allocated to customers	167,721,134	16,372,148	33,950,285	71,105,078	289,148,645
Amounts Billed for Primary Power	168,345,300	16,146,103	33,874,349	71,072,737	289,438,489
Excess of Amounts Billed over Cost:					
Credited to Municipalities	624,166	.....	.....	.....	624,166
Transferred to the reserve for stabilization of rates and contingencies	.....	*226,045*	*75,936*	*32,341*	*334,322*

Notes (continued)

3. Withdrawals from the reserve for stabilization of rates and contingencies have been computed on the basis of the average of the 12 monthly peaks and applied to reduce costs at the following rates:

$1.85 per kilowatt to all customers	$11,374,069
$1.50 per kilowatt to municipalities formerly served by the Thunder Bay System and charged to that portion of the reserve held specifically for their benefit	133,048
	$11,507,117

4. The cost of primary power allocated to retail customers totalling $71,105,078 includes retail distribution costs of $35,098,583.

5. The cost of primary power allocated to individual municipalities is shown on pages 104 to 121.

THE HYDRO-ELECTRIC POWER

RESERVE FOR STABILIZATION

for the Year Ended

	Held for the Benefit of All Customers
	$
Balances at December 31, 1963	122,633,525
Add: Interest for the year at rates approximating the earnings on investments held for the reserve	5,685,069
	128,318,594
Deduct:	
Withdrawals in the year applied in reduction of cost of power	
General	11,374,069
Low-voltage cost relief	.....
Excess of cost over amounts billed to direct and retail customers	.....
Net loss on redemption of funded debt and sale of investments	312,092
	11,686,161
Balances at December 31, 1964	116,632,433

EQUITIES ACCUMULATED THROUGH

for the Year Ended

Balances at December 31, 1963
Add:
Interest at 4% per annum
Provision in the year—direct
—indirect
Equity transferred through annexations
Deduct credits resulting from matured sinking funds
Balances at December 31, 1964

Notes

1. Unallocated sinking fund equities consist of:

   (a) $46,893,895 contributed to January 1, 1962 by persons previously served for the account of the Province of Ontario, and $4,304,841 accumulated to January 1, 1962 by sinking fund provisions in respect of administrative and service buildings and equipment, and

   (b) interest for 1962, 1963 and 1964 on these balances.

   The amounts contributed by these persons and provided in respect of these assets in 1962, 1963 and 1964 and the related sinking fund credits have been allocated to Municipalities and the Rural Power District.

COMMISSION OF ONTARIO

OF RATES AND CONTINGENCIES
December 31, 1964

Held for the Benefit of Certain Groups of Customers					Total
Municipalities		Direct Customers		Retail Customers	
Low-Voltage Cost-Relief	Former Thunder Bay System	Within Municipalities	Outside Municipalities		
$	$	$	$	$	$
1,081,163	364,054	3,145,504	8,282,740	3,561,639	139,068,625
43,247	16,890	145,932	384,272	165,241	6,440,651
1,124,410	380,944	3,291,436	8,667,012	3,726,880	145,509,276
.....	133,048	.....	.....	.....	11,507,117
43,247	.....	.....	.....	.....	43,247
.....	.....	226,045	75,936	32,341	334,322
.....	.....	.....	.....	.....	312,092
43,247	133,048	226,045	75,936	32,341	12,196,778
1,081,163	247,896	3,065,391	8,591,076	3,694,539	133,312,498

SINKING FUND PROVISIONS AND INTEREST
December 31, 1964

Allocated		Unallocated (Note 1)		Total
Municipalities	Rural Power District	Province of Ontario	Administrative and Service Buildings and Equipment	
$	$	$	$	$
346,982,343	74,286,293	50,720,437	4,656,116	476,645,189
13,879,294	2,971,452	2,028,817	186,245	19,065,808
17,113,219	8,527,526	.....	.....	25,640,745
251,994	90,624	.....	.....	342,618
381,344	*381,344*	.....	.....	.....
378,608,194	85,494,551	52,749,254	4,842,361	521,694,360
7,396,502	156,383	.....	.....	7,552,885
371,211,692	85,338,168	52,749,254	4,842,361	514,141,475

Notes (continued)

2. The sinking fund provision and interest in the Statement of Operations consists of the following amounts:

Interest at 4% per annum	$19,065,808
Direct provision in the year	25,640,745
	44,706,553
Less credits resulting from matured sinking funds	7,552,885
	$37,153,668

3. Sinking fund equities accumulated by individual municipalities are shown on pages 122 to 129.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENT OF SOURCE AND APPLICATION OF FUNDS

for the Year Ended December 31, 1964
(with comparative figures for 1963)

	1964		1963	
	$	$	$	$
Funds Provided:				
FROM OPERATIONS—				
Charges to cost of power not affecting working capital:				
Depreciation	40,129,173		37,689,579	
Contribution to capital—sinking fund provision and interest	37,153,668		37,983,714	
Amortization of frequency standardization cost	19,442,529		18,257,158	
Interest added to reserve for stabilization of rates and contingencies	6,440,651		6,673,959	
Other items (net)	4,385,254	107,551,275	4,097,292	104,701,702
Less credits to cost of power not affecting working capital:				
Withdrawals from reserve for stabilization of rates and contingencies	11,507,117		20,933,540	
Interest on funded debt allocated to frequency standardization account	5,918,876	17,425,993	6,455,764	27,389,304
		90,125,282		77,312,398
Deficiency or excess of direct and retail customers' revenue over cost		*334,322*		3,304,943
Total funds provided from operations		89,790,960		80,617,341
FROM NET INCREASE IN LONG-TERM DEBT—				
Issues of $140 million of bonds ($120 million in 1963), net of discount and issue expense	135,246,768		117,178,457	
Less retirement of Commission bonds and repayment of Provincial advances	99,834,307	35,412,461	99,181,084	17,997,373
MISCELLANEOUS		827,178		1,381,256
		126,030,599		99,995,970
Funds Applied:				
Expenditures on fixed assets, less proceeds from sales, etc.		103,279,808		106,746,366
Purchases of general and sinking fund investments, less proceeds from sales and maturities		15,200,958		8,880,105
Net increase or *decrease* in working capital		7,549,833		*15,630,501*
		126,030,599		99,995,970

SECTION III

MARKETING AND THE COMMISSION'S CUSTOMERS

At the end of the year, 2,095,755 ultimate customers were being served by the Commission and the associated municipal electrical utilities, 543,345 of this total being retail customers in rural areas, and in 28 communities where the Commission owns and operates the distribution facilities. In this section of the Report, the subdivisions dealing with customers' loads include the municipalities, the direct customers and, of the Commission's retail customers, only those in the rural areas. Retail customers in the 28 separate communities are dealt with in the statistics and commentary at the beginning of the Municipal Service Supplement.

Load Building

With the co-operation of the municipal electrical utilities, and the support of those who share a common interest in the advancement of the electrical industry, the Commission's load-building program moved forward to the achievement of new goals in the past year.

During 1964, commercial installations amounting in total to about 60,000 kilowatts of electric heating were completed. Three in every four motels newly opened for business in the province in 1964 were electrically heated, for a total of 100 installations, while 71 churches, 54 schools, and 51 apartment buildings

with a total complement of 2,650 suites also made a major contribution to the 60,000-kilowatt increase in electric-heating load.

Nearly 6,800 all-electric homes were completed in 1964. A substantially increased proportion of these homes was located in new subdivision developments, where co-operative arrangements made with builders and the local utilities have provided for the installation of underground service and for other attractive features that have greatly facilitated sales in the mass housing market.

Following the introduction during 1964 of ducted systems of electric house heating, a program of instruction was launched in conjunction with the National Warm Air Heating and Air Conditioning Association to ensure that customers choosing ducted systems enjoy the same kind of quality control found in the more familiar types of installation, and in the industry's Triple Seal Program.

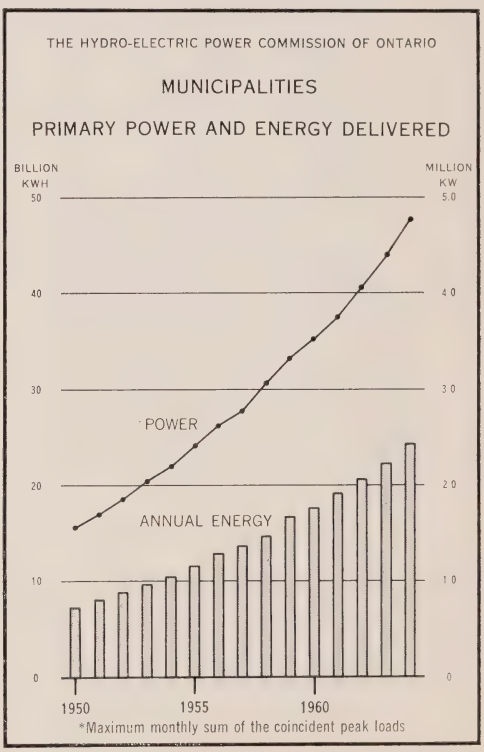
With the introduction of marketable equipment in the form of electric boilers for use in hot-water heating systems, the Commission has rounded out its electric heating program to include them. In collaboration with the Canadian Hydronics Association, and the Canadian Plumbing and Mechanical Contractors Association, the Commission is engaged in developing satisfactory standards for this type of installation suitable for older houses where heating systems are being changed over.

ELECTRICALLY HEATED HOME — This attractive house is one of the first to be completed in Forest Glenn, a new subdivision in Toronto Township which eventually will include a total of 750 Medallion All-Electric Homes. Forest Glenn is the first major subdivision in Ontario to use electric forced-warm-air heating systems, which combine the best features of both electric and forced-air heating.

Over 300 information centres have been established for the convenience of customers seeking guidance and assistance in planning electric-heat installations. These centres have served also to co-ordinate special promotions featuring the modernization of particular areas and equipment in the home — the kitchen, the laundry, and the use of supplementary electric heating.

Through the Home Economics Classroom Equipment Program, the Commission, the utilities, and the manufacturers and distributors of electrical equipment jointly provide for the regular replacement of the most up-to-date major electrical appliances — ranges, refrigerators, dishwashers, washing machines, and clothes dryers — for use in over 700 classrooms where instruction is offered in the proper use and maintenance of this equipment.

Ontario Hydro's farm customers continued to make greater use of electricity especially in poultry brooding and farrowing operations during 1964. In order that customers can take advantage of new developments in automatic equipment, the service entrance capacity of over 3,000 farm services was increased during the year, and assistance in the replanning of many farm electrical services was provided.

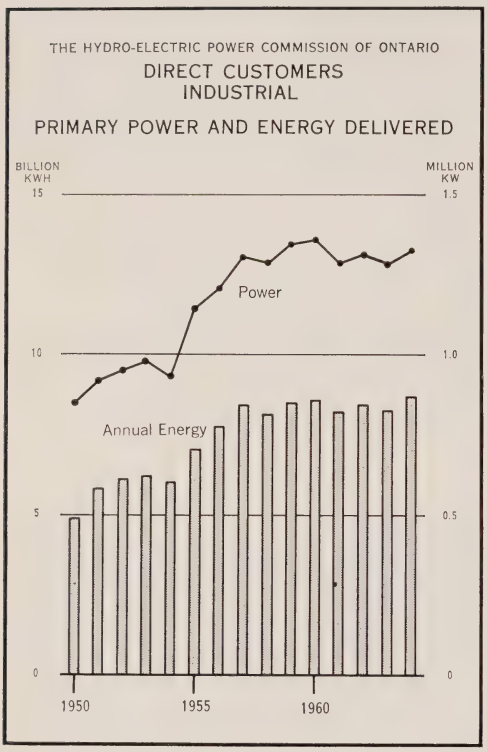


MUNICIPALITIES

This subsection relates only to the first group of Commission customers as shown in the Statement of Operations in the Finance Section, the municipalities served under cost contract. Their number was increased to 356 during 1964 when the Village of Plantagenet and the Township of Nepean became cost-contract customers of the Commission, effective April 1 and July 1 respectively. They were formerly served by the Commission's distribution facilities.

Statements "A" and "B" in the Municipal Service Supplement include balance sheets and operating statements for these 356 municipal electrical utilities, and for the Township of Chapleau, a municipally owned utility that continues to be served

in part by the Commission as a direct customer under a fixed-rate contract. Statements "C" and "D" include rate schedules and statistics relative to residential, commercial and industrial power service for all the foregoing municipally owned utilities as well as for a further 28 communities in which the Commission owns and operates the distribution facilities. Neither this group of 28 communities nor the Township of Chapleau is, however, included in the statistics presented in the text and graph on this page.



The 356 cost-contract utilities are billed at an interim rate per kilowatt of their monthly peak loads throughout the year, the peak load for any month being the maximum average demand over a period of 20 consecutive minutes in the month. As the system peak load usually occurs in December, the peak load for that month is given for each municipality in Statement "D". The sum of the peak loads supplied by Ontario Hydro to the 356 cost-contract municipalities in the year 1964 was 4,769,920 kilowatts as compared with 4,393,647 kilowatts in 1963, the annual increase being 8.6 per cent. It should be pointed out that for a few municipalities having their own sources of generated or purchased power, some part of the peak load shown in Statement "D" may have been supplied other than by the Commission. The energy delivered to the municipalities during 1964 amounted in total to 24.3 billion kilowatt-hours, exceeding the 22.4 billion kilowatt-hours delivered in 1963 by 8.7 per cent.

DIRECT CUSTOMERS

Revenue received from direct customers as shown in the Statement of Operations in the Finance Section includes that received from 14 utilities having contracts for the supply and interchange of power, and from the Township of Chapleau, a municipal electrical utility served under a fixed-rate contract. The number of direct customers declined in 1964 from 200 to 171, chiefly because of the transfer

Primary Power and Energy Supplied to Direct Industrial Customers by Types of Industry

Type of Industry	Average of the Monthly Peak Loads		Annual Energy Delivered		
	1963	1964	1963	1964	Increase or *Decrease*
	kw	kw	kwh	kwh	%
Pulp and Paper	351,099	358,138	2,348,510,350	2,518,130,332	7.2
Mining					
(a) Gold	85,809	85,561	570,325,156	567,208,849	*0.5*
(b) Silver and Cobalt	5,581	5,518	28,749,406	28,276,484	*1.6*
(c) Base Metals	196,626	218,364	1,397,345,355	1,595,430,745	14.2
(d) Uranium	49,487	40,540	329,242,523	270,364,632	*17.9*
(e) Non-Metals	6,421	5,473	34,223,742	25,226,164	*26.3*
Quarrying, Cement and Basic Building Materials	37,948	33,148	201,001,220	188,499,670	*6.2*
Steel and Electrometallurgical	139,424	160,067	735,773,334	876,537,100	19.1
Abrasives	69,848	78,804	525,021,745	609,031,520	16.0
Chemical, Electrochemical, and Cyanamid	207,926	204,359	1,568,791,053	1,595,916,390	1.7
Grain Elevators and Milling	5,048	3,828	17,033,067	10,656,960	*37.4*
Transportation Services and Communication	9,058	10,797	46,397,947	68,685,479	48.0
Government Services and Institutions	37,556	30,757	179,518,036	148,575,734	*17.2*
General Manufacturing	49,727	32,787	246,219,429	161,836,584	*34.3*
Miscellaneous	9,497	21,361	49,369,850	54,766,589	10.9
Total	1,261,055	1,289,502	8,277,522,213	8,719,143,232	5.9

of customers from direct service to service by the municipal or rural distribution facilities.

Fluctuations in the power and energy requirements of the Commission's direct industrial customers, as presented in the accompanying graph, to some extent reflect these changes in the composition of the group. In 1964 the 156 customers in the industrial segment included 74 mines, 18 pulp and paper companies, and 41 companies engaged in basic or secondary manufacturing. Only the industrial customers are included in the table and the graphical presentation.

The sum of the primary peak loads of these industrial customers reached its maximum for any one month in April when at 1,324,500 kilowatts it exceeded the maximum of 1,283,388 kilowatts recorded in September 1963 by 3.2 per cent.

Sales of primary energy to direct industrial customers were up in total by 5.9 per cent, the three major contributing groups being base metal mining, pulp and paper, and steel and electrometallurgical customers. There was a fairly sharp upswing in base metal mining, but mining as a whole yielded priority for the second time since 1937 to the pulp and paper industry as the largest consumer of primary energy supplied by the Commission. There was a notable upward trend

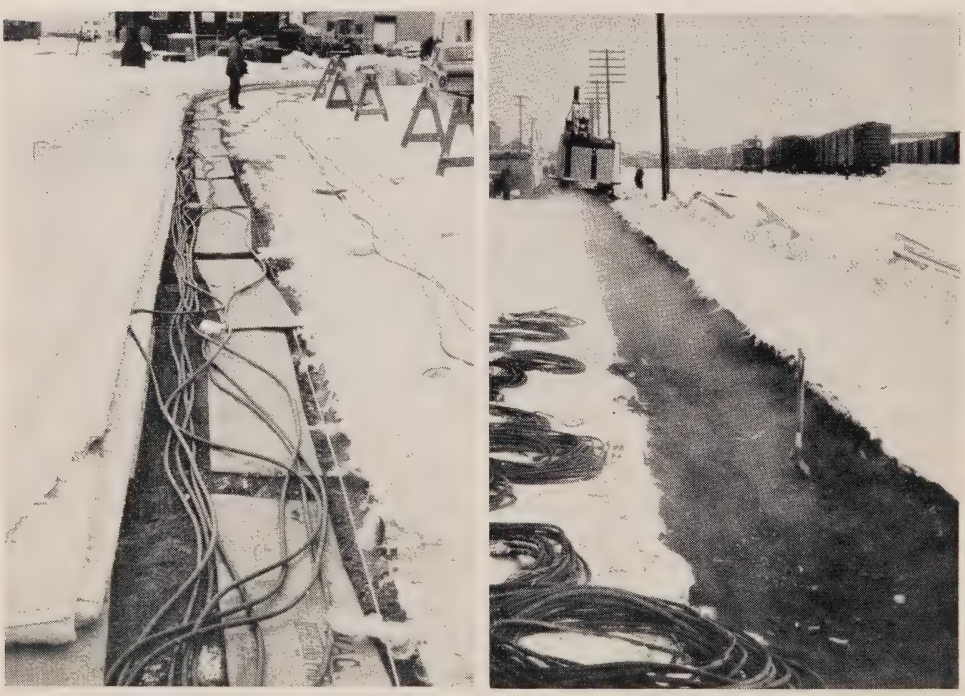
also in the rate of increase in energy consumption for customers in the abrasives industry and in transportation services and communications.

Primary Loads of Interconnected Systems

The maximum monthly sum of the primary peak loads of the interconnected utility systems declined by 4.1 per cent from the 1963 level of 64,616 kilowatts to 61,954 kilowatts in 1964. The annual primary energy delivered to this group declined by 8.6 per cent from 428,988,696 kilowatt-hours in 1963 to 391,939,067 kilowatt-hours in 1964.

Sales of Secondary Energy

Sales of secondary energy were also down, for the fourth successive year, in 1964 by 1.7 per cent. Declines were registered in secondary sales both to interconnected systems and to industrial customers, the former by 1.9 per cent to 3,090,430,167 kilowatt-hours, and the latter by 1.2 per cent to 590,122,014 kilowatt-hours. The corresponding sales in 1963 were 3,148,710,534 kilowatt-hours, and 597,353,624 kilowatt-hours respectively.

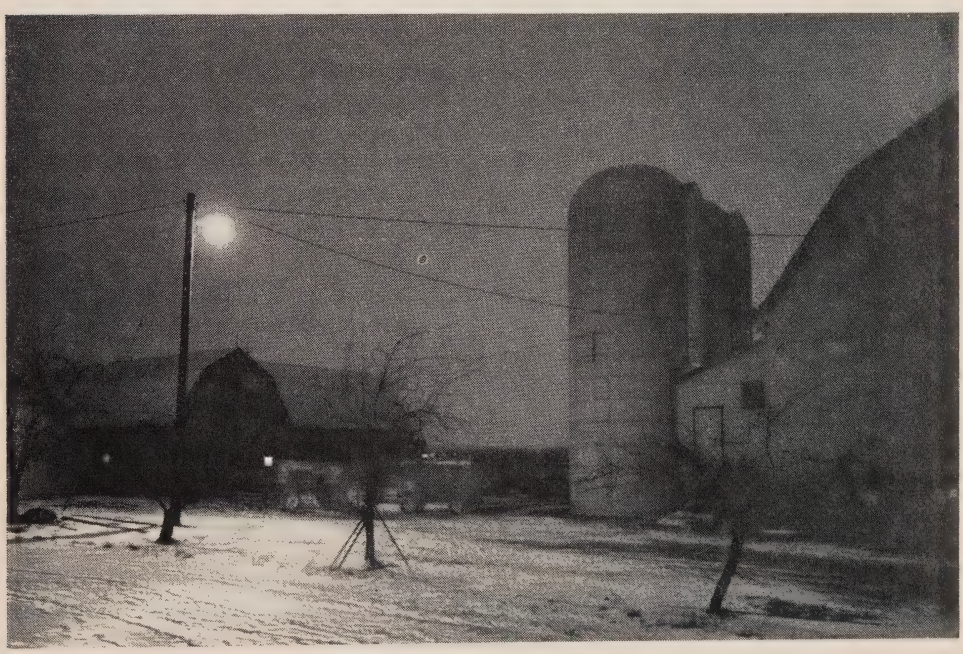


ELECTRIC GROUND-THAWING FOR WINTER WORK — Used during sub-zero weather by a Fort William contractor in preparatory surface work for the construction of a sewer, the electric ground-thawing mats at the left softened the ground to a depth of three feet in three days, making it ready for trenching as shown at the right.

RURAL ELECTRICAL SERVICE

The large accumulation of construction and service requirements built up during the years of World War II resulted in a rapid expansion of rural facilities that reached a climax in 1949 and 1950, when the Commission recorded the largest net increases in miles of rural line and number of rural customers respectively. Following the progressive satisfaction of these pent-up needs, the rate of growth gradually levelled off. The effect on the rural distribution network of this reduction in the rate of growth has been aggravated by the postwar expansion of many municipalities, an expansion that inevitably results in their annexation of those parts of the rural areas where there is a high customer density per mile of line. Other high-density areas have withdrawn from the rural distribution network to become new cost-contract municipalities.

In the period of accelerated growth, the Commission was not only extending and improving its distribution facilities, but adding substantial numbers of new customers to lines already in service, thereby improving the general average of customer density per mile of line. Today, although construction and improvement of facilities go on, the loss of areas of high customer density is reflected in a decline in the general average of customer density per mile of line, and in recent years even in declines in the total number of customers served by rural facilities.



This "Sentinel" yard-light, photo-electrically controlled to be turned on at dusk and off at dawn, improves the safety, security, and convenience of the farm-yard during the hours of darkness. It is also effective for commercial areas. Of the total of 3,700 of these dusk-to-dawn lighting units installed on a rental basis by the end of 1964, approximately 30 per cent were for farm service, and 70 per cent for commercial service customers.

NET INCREASE IN MILAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1964

Regions by Systems	Miles of Primary Line	Number of Customers								
		Residential								
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial Summer	Summer	Power	Total
East System										
Western	25.34	*40*	226	240	387	19	15	64	32	943
Niagara	11.73	10	271	390	126	22	23	99	46	987
Central	*80.50*	*337*	*43*	*1,301*	1,607	*161*	3	39	*2*	*195*
Georgian Bay	113.54	94	361	96	591	53	150	2,206	46	3,597
Eastern	*39.31*	*402*	273	*517*	*7,609*	*397*	62	1,385	*38*	*7,243*
Northeastern	94.50	*331*	373	42	282	68	47	298	15	794
Total	125.30	*1,006*	1,461	*1,050*	*4,616*	*396*	300	4,091	*99*	*1,117*
West System										
Northwestern	54.65	*178*	200	111	69	105	7	277	4	595
Total—All Systems	179.95	*1,184*	1,661	*939*	*4,547*	*291*	307	4,368	103	*522*

In 1964, there was a net decrease of 522 in number of customers, bringing the total served at the end of the year to 511,988. The effect of extensions to the network and the additions of new customers was offset by the transfer of approximately 170 miles of line and 4,600 customers to municipal utilities during the year through annexations, and by the loss of 10,400 customers to new cost-contract municipalities. The total miles of rural distribution line in service, however, rose by 180 miles to 49,173. Rural residential, summer, and industrial power services showed increases in number of customers; the other classes of service showed declines, farm service by 1,184 to 135,680 at the end of 1964.

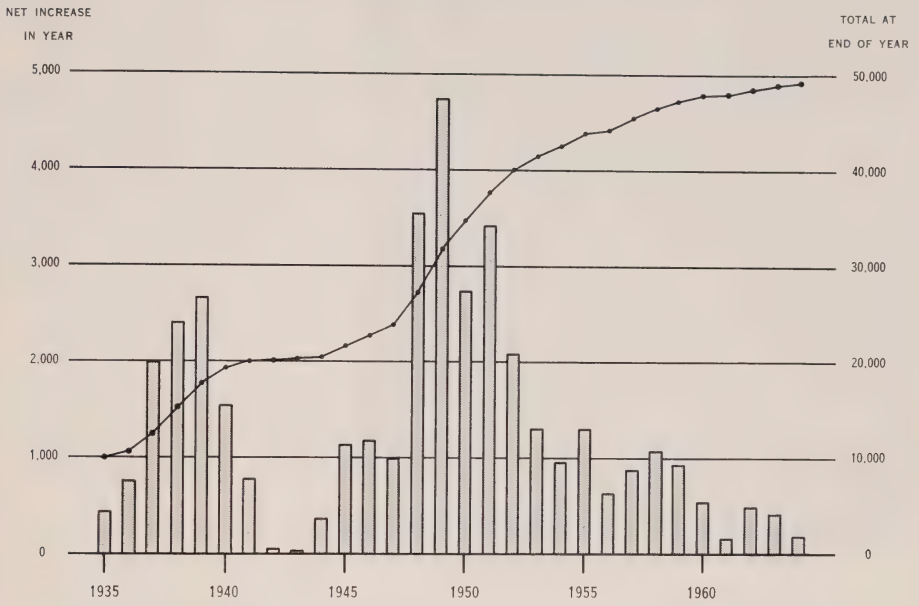
Revenues, energy consumption, and average consumption per customer rose for all classes of service, while average cost per kilowatt-hour to the customer declined. The average annual consumption per farm service customer rose to 8,006 kilowatt-hours, up 3.9 per cent from the average in 1963.

The response to the Sentinel Lighting Program, formerly known as dusk to dawn lighting, was most favourable, and the installation of 3,750 units during 1964, for the most part for commercial premises, greatly exceeded the most optimistic expectations.

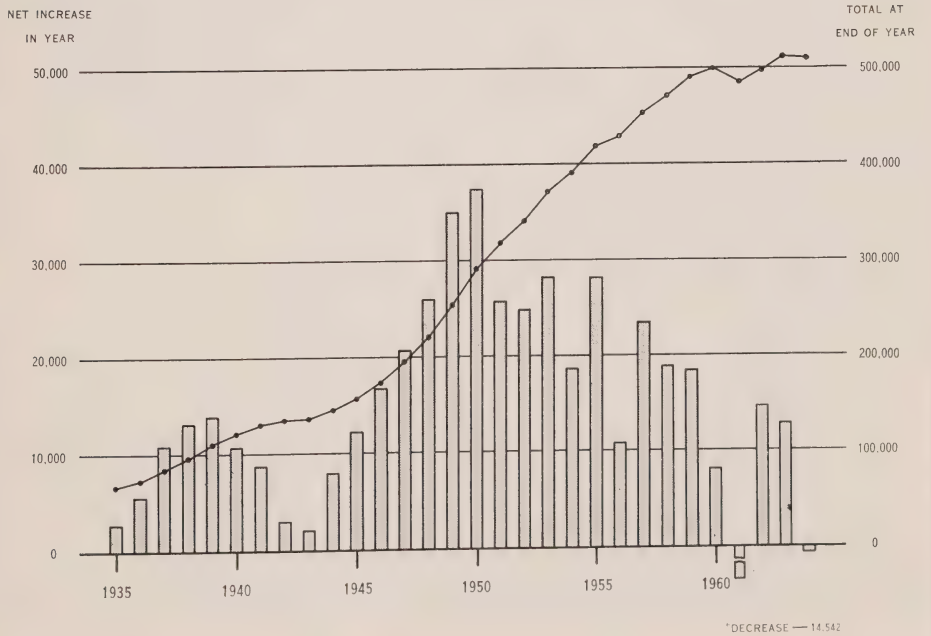
A 7½ per cent reduction in the electric house-heating rate for hamlet, rural residential, and farm customers was introduced, effective in December 1964. At the same time, all-electric rates, house-heating service included, were introduced for customers classified as suburban, hamlet, or rural residential, the energy normally to be supplied through one meter. The resulting savings in metering

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MILES OF RURAL PRIMARY LINE



NUMBER OF RURAL CUSTOMERS



*DECREASE — 14,542

and billing costs could not be realized during the early stages of house-heating promotion, since at that time there was need for very specific data on energy use, particularly as it related to guarantees that annual house-heating costs would not exceed specified maxima.

ANIMAL HUSBANDRY IN A CONTROLLED ENVIRONMENT — Adjustment of a thermostat controls the electric floor-cable heating in this hog farrowing barn. The floor cable is installed only in areas at the sides of the pens, where it provides the best conditions both for the sows and for the young pigs. Supplementary heat to ensure proper balance throughout the building is provided from fan-forced electric heaters mounted near the ceiling.

Higher customer - density requirements have been introduced for the extension of service to summer cottages as a primary factor in the control of what might be excessive capital expenditures for this service. Other administrative changes with respect to conditions of supply have, however, been introduced to facilitate service or to reduce the cost, not only to summer service customers but to residential and farm service customers. For large farm service, for example, the Commission will now provide a self-protected transformer complete with circuit breaker, thus relieving the customer of most of the expense of providing his own main service-entrance equipment and breaker switch. The Commission's experience is that customers, thus encouraged to install the additional electrical equipment they need, substantially increase their purchases of electric energy.

SERVICES TO CUSTOMERS

Public Relations

Due recognition is given to the importance of adequate and continuous communication in keeping the general public, as well as the entire Hydro organization, including the associated municipal utilities, informed regarding Commission policies, objectives, and achievements.

In addition to the production of film, radio, and television material, and the provision of speakers and displays for special occasions, particular attention has been given recently to the more extended use of printed publications. *Ontario Hydro News* continues to be circulated to some 8,000 subscribers giving items of general interest to the public with respect to the Commission and the utilities.

The leaflet periodical, *Talking Points,* featuring topics of particular interest to the utility industry and its customers, is addressed to commissioners and senior staffs of the utilities and to selected news media. Early in 1964, *Hydroscope,* a semi-monthly news publication, was introduced for distribution to all employees and pensioners.

The extent of general public interest in the Commission's operations is evident in the recorded visits of some 810,000 persons to major generating stations, and the attendance of a further 612,000 at various types of displays, fairs, and exhibitions. This public interest is also reflected, and no doubt enhanced, through the participation of over 300,000 students in the province in the public-speaking contest sponsored by the Commission in association with the Ontario School Trustees' and Ratepayers' Association.

Electrical Inspection

Under The Power Commission Act the approval of electrical equipment and the inspection and approval of its installation are the responsibility of the Commission. Approval may be given through the adoption of reports made by the Canadian Standards Association Testing Laboratories or by other recognized testing

ELECTRICITY ON THE FARM — The transformer on the pole in this farmyard is of the "completely self-protected" type, first installed on the Commission's rural network in 1964.

agencies. On the other hand, when equipment has been custom-built, or manufactured as other than a regular line, or when equipment similar to Canadian Standards Association certified models has been installed without the required evidence of approval, it must be inspected by Commission representatives.

In order to make information conveniently available regarding home improvements incorporating a variety of applications of electricity such as lighting, built-in appliances, and supplementary heating, the Commission, by the end of 1964, had established over 300 Home Modernization Centres throughout Ontario. These are located in its own offices and those of the municipal electrical utilities, and on the premises of electrical distributors, contractors, and building supply houses.

Electrical-inspection requirements are constantly changing as wiring techniques and design in equipment are developed to meet the needs of modern electrical living. During the past year, 625,000 inspections of wiring and equipment were made in domestic, commercial and industrial premises. The tariff for this service was revised during the year for publication early in 1965.

All the safeguards offered by painstaking inspection are insufficient unless the general public displays reasonable care and understanding in the use of electrical equipment. Ten of the nineteen fatal accidents attributable to electrical causes during 1964 resulted from contact by the victims with overhead conductors. In 200 fires attributable to electrical causes during the year, the evidence indicates that the origins of the fires were for the most part simple carelessness, the improper use of extension cords, or the failure of items of equipment, whether this equipment was industrial and commercial equipment, or domestic appliances.

Rate Research

With a view to maintaining an appropriate allocation of cost to the various classes of customers, careful study is being given to the load characteristics of electrically heated motels and apartment buildings, and to those homes which are completely electric except for space heating. Studies have been made, or are being made of shopping centres and business areas in the municipalities, and of an all-electric subdivision. In connection with an AMEU load survey, special metering was installed in two subdivisions to provide data for planning the transformer capacity requirements for various types of residential districts.

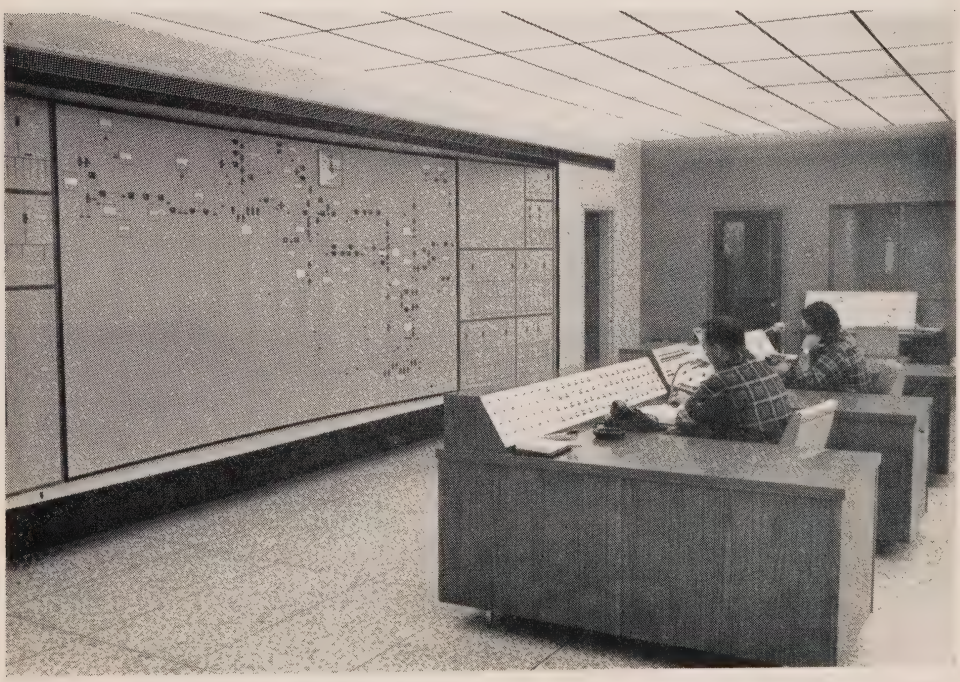
Several projects undertaken in co-operation with the AMEU Rates Committee include the investigation of kva billing, minimum billing regulations, allowances for customer-owned transformation, rates for standby service, and the development of general purpose rates for commercial and industrial power service customers. A complete study of rural retail rates was also made with a view to reducing the number of variants in the tariffs in order to reflect more appropriately the differences in cost between customer groups of high and low density. Rates for all-electric service were introduced for rural residential customers in the fall of the year.

REPORTS FROM THE REGIONS

Western Region

Coincident with the 50th anniversary of the Commission's first service to Windsor, a new Windsor Utilities Commission control centre was officially opened on September 11, 1964. The year also saw the formal openings of a new service centre in Sarnia, and of new office and service buildings in Mitchell and Riverside.

Extensive primary distribution system changes were carried out in Courtright, Forest, and Wyoming, and preparatory work was undertaken in Stratford for the



WINDSOR UTILITIES COMMISSION CONTROL CENTRE — Officially opened at the Windsor Utilities Commission's 50ih Anniversary celebration, this new control centre is built on the concrete foundation that originally supported the Utilities Commission's first substation.

NEW SERVICE CENTRE OF THE SARNIA HYDRO-ELECTRIC COMMISSION — With a total floor area of 38,000 square feet, the electrically heated service centre includes administrative offices, a meter shop, storage and equipment maintenance areas, and a garage for the utility's fleet of 29 service vehicles.

placing under ground of all distribution facilities in the main business district. In Chatham, a program of street lighting improvement was undertaken with the introduction of mercury-vapour lights on steel standards, and a policy was adopted for the installation of new residential services under ground.

Niagara Region

Industrial expansion was particularly noteworthy in Brantford, where the electrical load of the local Commission increased by 10 per cent in 1964, and in Hamilton where two major steel companies had installed a total of 35,000 kva of new connected load during the year. Another steel manufacturer replaced a 25-cycle electric furnace with one of 6,000-kva, 60-cycle capacity. This furnace load, formerly supplied by The Hydro-Electric Power Commission of Ontario, is now served by the Hamilton Hydro-Electric Commission. Extensions to the underground systems in both municipalities were carried out.

A new office and service building of the electrical utility in Waterloo was officially opened in September 1964. A new utility office building to be constructed in Delhi will have a heat-pump installation. Further progress in the promotion of electric-heat installation is evident in the connection of 139 apartment units in Burlington, and the supplying of two large apartment buildings in Hamilton, having a total of nearly 500 suites.

Continuing load growth required the establishment of new substations in Brantford, Burlington, Galt, Hamilton, Niagara Falls, St. Catharines, and Welland. Further improvements to street lighting were made in Brantford and Hamilton through the installation of mercury-vapour lights. The Guelph Commission has

now completed a five-year program of changing 4,000 incandescent lights to mercury-vapour or fluorescent types, and the Kitchener Public Utilities Commission is engaged in installing 7,000 mercury-vapour lights.

A total of nearly 950 rural customers and three direct customers of the Commission were transferred to the municipal utilities in Simcoe and Port Colborne as a result of municipal annexations.

Central Region

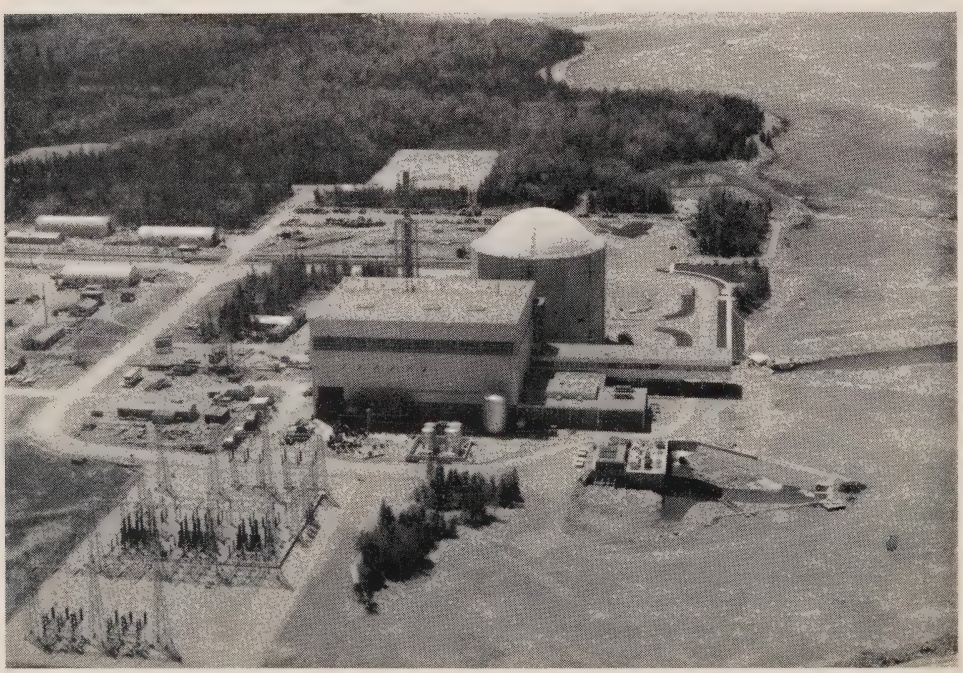
A strong trend toward apartment building continued in the Metropolitan Toronto area, though in North York approximately 70 per cent of the nearly 8,100 new domestic services connected were single-family dwellings. The largest all-electric residential development in the Region, and at present the largest served by the Commission, was the Forest Glenn Subdivision in Toronto Township, which includes 750 detached and semi-detached houses. It is the first major subdivision to use forced warm air in ducted household-heating systems incorporating central electric furnaces. It is served by underground distribution and street-lighting facilities. In Ajax, the newly built garage and storage facilities of the local Commission are electrically heated.

NOVA SCOTIA COAL AT ONTARIO HYDRO GENERATING STATION — The Cape Breton Miner, recently built at Port Weller, Ontario, for Upper Lakes Shipping Limited, completes a return voyage through the inland and coastal waters between Toronto and Sydney, Nova Scotia, about once in every 10 days during the navigation season to bring a cargo of approximately 22,000 tons of Nova Scotia coal to supply the Commission's thermal-electric stations. She is shown here discharging cargo at Richard L. Hearn Generating Station on her maiden voyage in the late spring of 1964.

Increased transformer-station capacity was installed in Brampton, Richmond Hill, and in the Townships of Etobicoke, North York, and Scarborough to meet growing residential and industrial loads. The Bowmanville Public Utilities Commission increased the capacity of its No. 1 station from 3,000 kva to 5,000 kva, and the Uxbridge Public Utilities Commission completed construction of a 5,000-kva station to supersede the former Commission-owned 2,000-kva substation. In Markham, major extensions to the distribution network were undertaken.

The Toronto Township Hydro-Electric Commission extended the scope of its operations by purchasing the rural distribution system in the balance of the Township, including that part of Toronto Gore Township which had been annexed by Toronto Township in January 1964. Distribution lines, formerly Commission-owned and amounting in total to 118 miles, were taken over together with service to more than 2,350 customers. Service to three former direct industrial customers of the Commission was also assumed by the local utility.

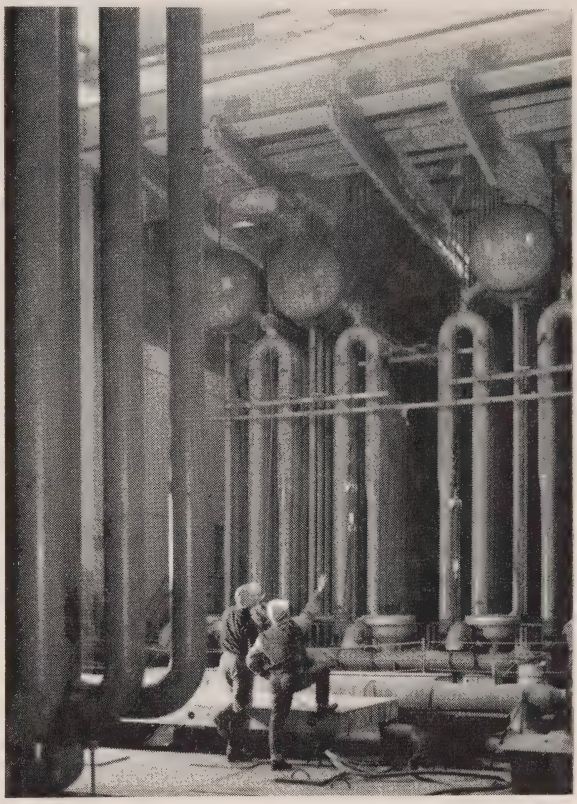
Growth in the annual peak load of the Toronto Hydro-Electric System approximated three per cent, bringing the 1964 figure to 677,334 kilowatts. The main improvements in facilities during the year included the further expansion of the underground cable network by a total of 129 miles, 13.4 miles being 15-kv cable for primary feeders and for supply to six large power-service customers.



DOUGLAS POINT NUCLEAR POWER STATION — A joint undertaking of Atomic Energy of Canada Limited and Ontario Hydro, this nuclear-electric generating station under construction on the shore of Lake Huron near Kincardine is expected to be in service by the summer of 1966.

The addition of 45 miles of duct, together with the associated transformer and access facilities, brought the total length of underground duct owned by the utility to 2,167 miles.

Construction was begun in 1964 for the extension of the Teraulay Station to accommodate an additional 4,000 kva of capacity scheduled for installation in 1965. The capacity of a station in the University of Toronto area was expanded by 50 per cent to meet the growing requirements of the University.



DOUGLAS POINT NUCLEAR POWER STATION — Heavy water heated in the reactor is pumped through tubes in the U-shaped shells of the heat exchangers, where it surrenders its heat to ordinary water to produce steam for the turbine generator. Three of the eight heat-exchange units being installed are shown.

A total of 295 electrically heated suites in four apartment buildings was added in 1964. Construction was begun on a 27-storey office building which will make use of heat pumps and heat recovery from all available sources in the building. The estimated demand for this building will be 3,500 kilowatts. For a new large bank and office complex under construction in the downtown area, an estimated 4,000 kilowatts of construction power will be provided. The structure, when complete, will have a demand for power of approximately 18,000 kilowatts.

Georgian Bay Region

Service to municipal utility customers on the east side of Lake Simcoe was improved by the placing in service of Beaverton Transformer Station. New substations were also placed in service in Midland and Orangeville, and the capacity of the substation serving the Village of Dundalk was increased.

Eastern Region

Considerable improvement was made to the Peterborough Utilities Commission primary distribution system, including the addition of two 4,000-kva substations to incorporate facilities taken over from the rural distribution system in connection with a major annexation. The Public Utilities Commission of the City

of Kingston added approximately 20,000 kilowatts to its total load in taking over from the Commission the supply of a major direct customer. Major capital construction in Kingston included the extension of the 44-kv system, the enlargement of the 4-kv underground facilities in the main business section, and considerable street - lighting improvement. In the Village of Maxville also, extensive improvement in street lighting was carried out.

The Mountain Chute Project on the Madawaska River has involved the Commission, either on its own or in co-operation with the Ontario Department of Highways and local authorities, in the construction, reconstruction, and relocation of more than 20 miles of road. Here a winding section of Highway 508 is being reconstructed to provide a safe and suitable road for the transportation of large equipment and the daily travel of workers from nearby communities.

In Belleville, the underground distribution system was enlarged in two new residential subdivisions, one of which is all-electric. The Village of Chesterville Hydro System introduced a policy of supplying underground service without extra charge to electrically heated houses.

New 44—2.4-kv. substations with capacities of 3,000 kva and 2,000 kva respectively were placed in service in Carleton Place and Eganville, and a new 5,000-kva substation was constructed and placed in operation by Picton Public Utilities Commission.

Northeastern Region

Timmins and Kirkland Lake have both benefited from recent industrial developments, the former from the discovery of a large copper-zinc ore body, and the latter from the development of a major iron mine. This has to some extent offset the continuing decline in the gold-mining industry.

The ratepayers in the Township of Widdifield voted in 1964 in favour of purchasing the electrical distribution system serving the Township, and entering into a cost contract with the Commission for the supply of power.

Improvements to the distributing systems in the form of new substations were made by the electrical utilities in North Bay and Sudbury.

Northwestern Region

Rate revisions were introduced during the year in Fort William, Red Rock, and Rainy River, the Rainy River Public Utilities Commission having reduced rates for the fourth time in six years.

In Dryden, a new 5,000-kva substation was placed in service.

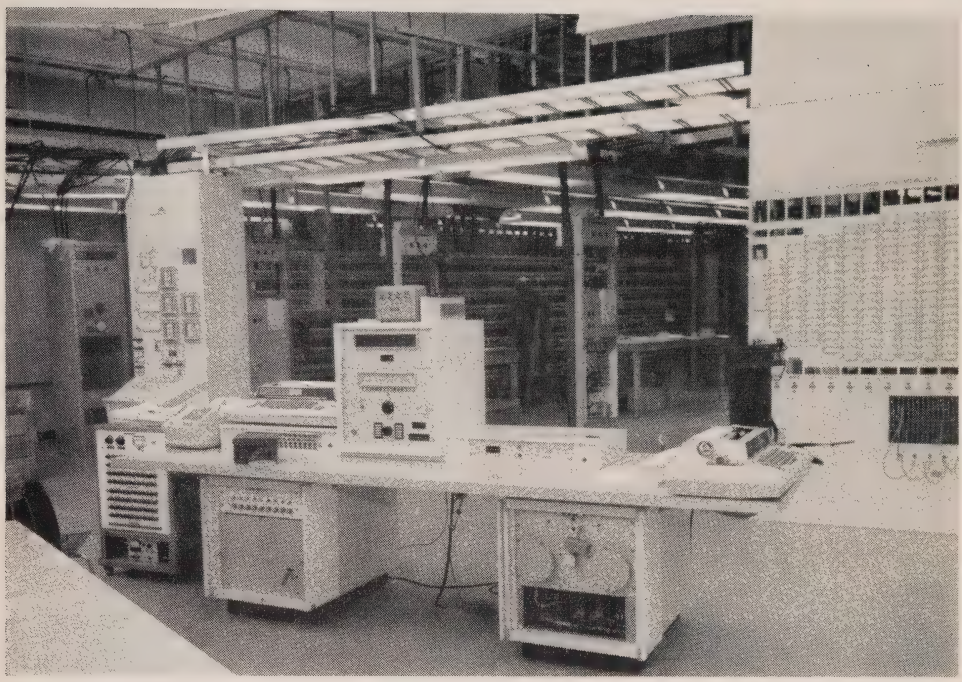
SECTION IV

PLANNING, ENGINEERING, AND CONSTRUCTION

During 1964, decisions were taken with respect to the largest program expansion in any 12-month period in the Commission's history. The generating facilities to be added in the period 1965-1971 inclusive, together with units already scheduled or under construction and to be completed in the same period, will have a total installed capacity of 5,200,000 kw. This total exceeds the capacity of all the resources available to the Commission as recently as 1957.

Hydro-electric, as well as conventional and nuclear thermal-electric facilities, are included. The major stations to be built are the 2,000,000-kilowatt coal-fired Lambton Generating Station near Sarnia where four 500,000-kilowatt units are to be placed in service in the years 1968 to 1971, and the 1,080,000-kilowatt Pickering Generating Station, a nuclear-electric station, where one unit is scheduled for service in each of the years 1970 and 1971.

By 1975 the Commission expects to be providing three million kilowatts in nuclear-generated electric power. There is also every indication that the Commission's total resources will have to be increased to 22 million kilowatts over the period to the end of 1979, together with all the associated transformation and transmission facilities required. This will mean that during the next 15-year period it will be necessary to provide twice the capacity provided since the Commission was established nearly 60 years ago.



This installation at Douglas Point Nuclear Power Station marks the first use in Canada of a digital computer in the control of a generating station. By the end of 1964, the computer shown here had been completed and tested.

The Use of Computers in System Planning

All the electrical components of a power system — the generators and transformers, the loads, and the transmission lines or cables — have characteristics that are used in calculating the flow of power between stations, the voltage necessary to control this flow, or the heavy currents that result when equipment insulation fails or lightning causes line insulators to flash over. The planning and development of power systems requires the calculation of both the normal and the faulted performance of the electrical network connecting all the generators, transformers, and distributing stations into a unified grid. With the growing complexity of the network over many years has come a comparable development and extension of the methods of analysis, for which computers are admirably suited.

The power-system analyst uses computers of two basic types, the analogue computer and the digital computer. The first, as the name implies, is used to construct a model or miniature system that is analogous in performance to the actual system under study. The digital computer solves through repetitive calculations a mathematical rather than an analogue model of the system. The Commission's ac network analyzer is one of a group of analogue computers used for simulating electrical power system performance. Similar equipment has been used recently for the study of power system overvoltages attributable to lightning or switching surges. This permitted a more precise determination of insulation requirements on the 500-kv network.

Summary of the Power Development Program as at December 31, 1964

System and Development	*Number of Units* *In Service*		*Scheduled*		*Installed Capacity*
					kw
EAST SYSTEM					
Lakeview—on the western outskirts of Metropolitan Toronto	1TC	1961	5TC	1965–1968	2,400,000
	1TC	1962			
	1TC	1964			
Harmon—Mattagami River			2H	1965	129,200
Kipling—Mattagami River			2H	1966	125,400
Douglas Point Nuclear Power—north of Kincardine			1TN	1966	200,000
Mountain Chute—Madawaska River			2H	1967	160,000*
Lambton—south of Sarnia			4TC	1968–1971	2,000,000
Pickering—east of Toronto			2TN	1970–1971	1,080,000

TC indicates thermal-electric conventional.
TN indicates thermal-electric nuclear.
H indicates hydro-electric.
*Tentative capacity

Analogue computers of a more sophisticated type are being used for the continuing study of the effects of generator voltage regulator control and speed governor control. These studies have recently led to a decision to introduce an entirely new type of voltage control along with electronic exciters for generators on the ehv system and for Lambton Generating Station. This is thought to be the first application of such advanced equipment for hydro-electric and thermal-electric generating stations on the North American Continent.

The use of digital computers has, however, enabled the Commission to extend its field of analytical investigations both in complexity and scope. Thus the solution of more complicated problems, by permitting the elimination of some of the empirical formulae from engineering applications, has promoted more realistic factors of safety. With the network analyzer for example, it was possible at one time to represent quite adequately the Southern Ontario System in a network electrical model of 50 generating and transformer stations, and about 100 transmission lines. However, with the introduction of extensive interconnections, the whole interconnected network must now be considered together. This problem is beyond the scope of the network analyzer, which continues to be used for special problems on smaller parts of the system, or for problems of the municipal utilities. The use of digital computers is essential for the adequate simulation of power-system flows and voltages for 500 interconnected stations and 1,000 lines.

Test studies involving both normal and faulted or transient conditions are sometimes performed jointly with the interconnected utilities in the States of New York and Michigan, sometimes carried out by Ontario Hydro alone using a high-speed, large-storage computer with a 32,000-word capacity. Joint studies are also carried out from time to time with interconnected public utilities in Quebec, Manitoba, and Saskatchewan. For these studies, as for those relating to the exchange of power across national boundaries, the power entity responsible is given

Expenditures on Capital Construction, 1955-1964

	Generation	Transformation	Transmission	Retail Distribution	Other	Total
	$'000	$'000	$'000	$'000	$'000	$'000
1955	68,483	12,624	10,823	19,173	3,469	114,572
1956	128,245	13,464	11,424	17,459	2,411	173,003
1957	151,738	17,302	19,295	17,581	2,776	208,692
1958	126,204	20,688	20,806	19,980	2,978	190,656
1959	98,251	20,788	12,159	19,996	2,910	154,104
1960	82,506	16,624	12,230	18,120	2,559	132,039
1961	77,939	10,693	11,446	18,954	4,624	123,656
1962	59,741	11,754	21,118	18,102	3,709	114,424
1963	49,301	12,109	22,391	18,073	6,283	108,157
1964	55,908	16,775	16,250	18,623	2,565	110,121
Total	898,316	152,821	157,942	186,061	34,284	1,429,424

the basic information as required. This is then processed either through its own or through rented computer facilities, sometimes on a shared-cost basis, sometimes at its own cost, as arranged. The results are then made available to the joint participants.

In another context entirely, that of assigning peak-load ratings to transformer stations, a program was developed using the Univac II computer to determine the aging of transformer insulation as a function of load, ambient temperature, and transformer characteristics.

As a measure of the standard capacity of a transformer, the manufacturer gives it a nameplate rating, which indicates in kilovolt-amperes the constant load which the transformer is guaranteed to supply at a specified air temperature without increase in the temperature of the transformer winding insulation beyond specific limits. Emergency peak ratings can be considerably greater than nameplate ratings since (a) transformer station loads are not constant but vary considerably during the course of a day, (b) they are likely to reach their maxima in the winter when surrounding temperatures are low, and (c) in any event they are unlikely to remain at emergency levels for more than a few days.

Under an arrangement generally known within the Ontario Hydro organization as the "Jones Scheme", many stations make use of transformers in pairs so connected that, in the event of loss of supply from one unit of a pair, the other will continue to supply the entire load. The peak load capability of a Jones Scheme pair of transformers is therefore largely determined by the peak emergency capability of one transformer.

In search for a rational basis for assigning peak-load ratings to transformer stations, a study was made to determine the peak loading for a typical station that would result in the minimum cost per kva of load. Taking into account power and

energy losses, interest on invested capital, cost of depreciation, and using acceptable operating criteria, the study indicated that the peak rating for a Jones Scheme pair of transformers is the load which, when carried by one transformer, would cause insulation aging at the rate of 0.1 per cent per day.

To assist in the application of this rule, a computer program was developed to calculate the peak value of a given daily load curve that would produce a specified level of insulation aging. If the computer is given the daily load curve shapes, the daily ambient temperature curves for each month of the year, the transformer characteristics, the insulation aging curves, and the specified daily insulation aging, it can produce the permissible peak load for each month of the year. These values, when compared with the predicted monthly peak load, will determine the critical month, and hence the maximum permissible loading for the critical month. The application of the 0.1 per cent aging rule to stations supplying residential loads, which normally have their peaks in the winter months, has permitted typical ratings of up to 150 per cent of the maximum nameplate rating of one transformer. This is in contrast with the limit of 120 per cent of nameplate rating previously established empirically.

The higher permissible rating reduces the new transformer capacity required every year at step-down stations by more than 100,000 kva. The equivalent saving in installed cost is nearly one million dollars.

Office and Service Buildings

At the Abitibi Canyon Colony, the housing and other improvements referred to in the 1963 Report were placed in service in the spring. Additional housing, a new hospital and nurses' residence, and other facilities were in the construction or planning stage at the end of the year.

A new area office building in Owen Sound will be opened early in 1965 to serve the greatly enlarged Owen Sound Rural Operating Area, following amalgamation with the Markdale Area.

The staff of the Regional office of the Western Region moved into the new office building in May 1964, and the official opening took place on September 10.

PROGRESS ON POWER DEVELOPMENTS

During 1964 the Commission's power development program was further extended by the authorization of plans to extend Lambton Generating Station, to build a new nuclear-electric station in Pickering Township, and to develop a new hydro-electric site at Mountain Chute on the Madawaska River in southeastern Ontario. Together with units already scheduled at Lakeview Generating Station and Douglas Point Nuclear Power Station, and at Harmon and Kipling Generating Stations in northeastern Ontario, these new facilities, all to be brought into service in the period 1965 to 1971, will have a total installed capacity of nearly 5,200,000 kilowatts.

Lakeview Generating Station—Near Toronto

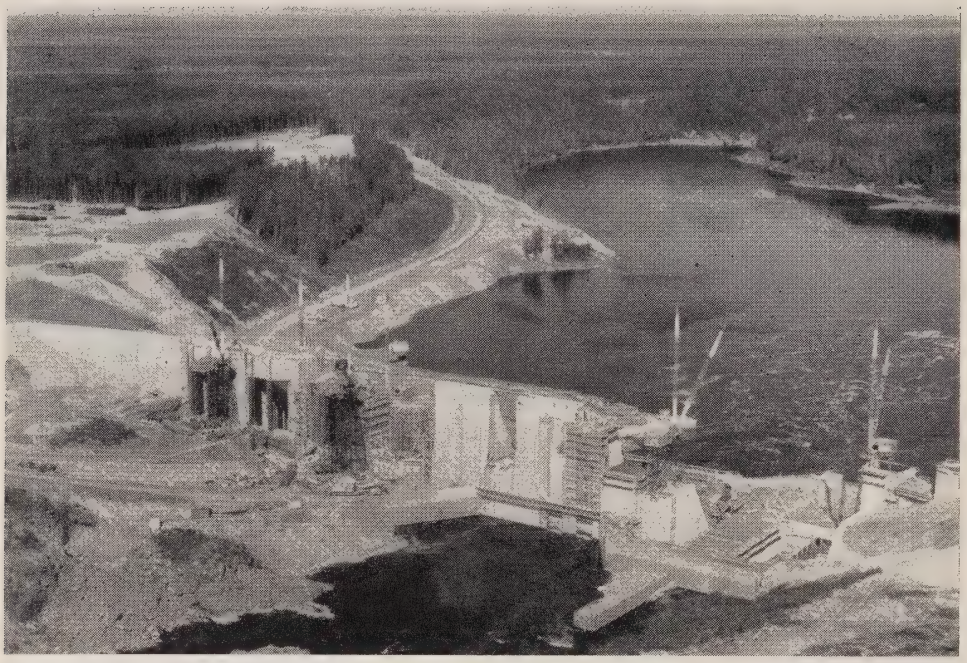
Location —On Lake Ontario just west of Toronto.
Installed Capacity —2,400,000 kilowatts in 8 units, 60 cycles.
In Service —One unit in each of 1961, 1962, and 1964.
In-Service Schedule —Unit 4 in 1965; Unit 5 in 1966; Units 6 and 7 in 1967; Unit 8 in 1968.
Estimated Cost —$269,000,000, including generation, step-up transformation, and high-voltage switching at the site.

The third unit at Lakeview Generating Station was placed in service in the spring of 1964, but owing to problems with the turbine blading, it was still undergoing commissioning tests at the end of the year. Unit 4 is scheduled for operation in 1965. Work is proceeding on the erection of structural steel for the fifth and sixth units, with scheduled in-service dates of 1966 and 1967. For the seventh and eighth units, considerable savings of engineering time and money have been achieved as a result of making the boiler and all auxiliary equipment duplicates of those for Units 5 and 6.

Lambton Generating Station

Location —On the St. Clair River in Lambton County 14 miles south of Sarnia.
Installed Capacity —2,000,000 kilowatts in 4 units, 60 cycles.
In-Service Schedule —One unit in each of the years 1968 to 1971 inclusive.
Estimated Cost —$220,000,000, including generation, step-up transformation, and high-voltage switching at the site.

An intensive program of diamond drilling and soil sampling was undertaken to obtain sufficient sub-surface information to establish the location, and the adequacy of support, for all plant facilities. Test piles of several types were driven to establish the requirements for foundation design. Research studies were also undertaken in connection with the control of air and water pollution, and with noise abatement.



HARMON GENERATING STATION — MATTAGAMI RIVER — Work on the two-unit first stage of development is scheduled for completion in the summer of 1965.

The turbine generators, boilers, fly-ash collectors, and de-aerators were ordered and tenders were called for boiler feed-pumps, condensers, feed-water heaters, forced and induced draft fans, and circulating water pumps. A project schedule based on the critical-path method was prepared.

HARMON GENERATING STATION — MATTAGAMI RIVER

Location	—About 55 miles north of Kapuskasing.
Installed Capacity	—129,200 kilowatts in 2 units, 60 cycles.
Rated Head	—102 feet.
In-Service Schedule	—Two units in 1965.
Estimated Cost	—$22,170,000, including generation, step-up transformation, and high-voltage switching at the site.

Harmon Generating Station is the second of a group of three generating stations on the lower Mattagami River. The first of the three to be completed, Little Long Generating Station about 13 miles up stream from Harmon Generating Station, was placed in service in the fall of 1963. At Harmon Generating Station the power dam was completed in 1964 to the first stage of construction as at present scheduled. This comprises a four-unit headworks, and a two-unit powerhouse on the west bank, two spillway sluices on the east bank, and a connecting gravity section in the river with short earth dikes at each end of the concrete structure. By the end of 1964, the turbines were almost completely installed, and the installation of the

generators was underway. Almost all of the auxiliary equipment had been delivered to the site and about 10 per cent had been installed.

KIPLING GENERATING STATION — MATTAGAMI RIVER

Location	—About 58 miles north of Kapuskasing and 3 miles down stream from Harmon Generating Station.
Installed Capacity	—125,400 kilowatts in 2 units, 60 cycles.
Rated Head	—102 feet.
In-Service Schedule	—Two units in 1966.
Estimated Cost	—$21,421,000, including generation, step-up transformation, and high-voltage switching at the site.

Excavation for most of the structures was finished in 1964, and the placing of concrete was begun. With the completion of a diversion section with two ports, the entire river flow is now passing through this structure in an excavated channel on the east bank. The two-unit powerhouse now scheduled, and the headworks for the accommodation of four units are being built between cofferdams in the river channel proper. Contracts have been awarded for the supply of all major items of equipment.

KIPLING GENERATING STATION — MATTAGAMI RIVER — Work carried out at the project during 1964 included completion of the cofferdam and diversion channel, some of the concrete work for the dam, and much of the excavation for the headworks and powerhouse.

Opasatika Diversion

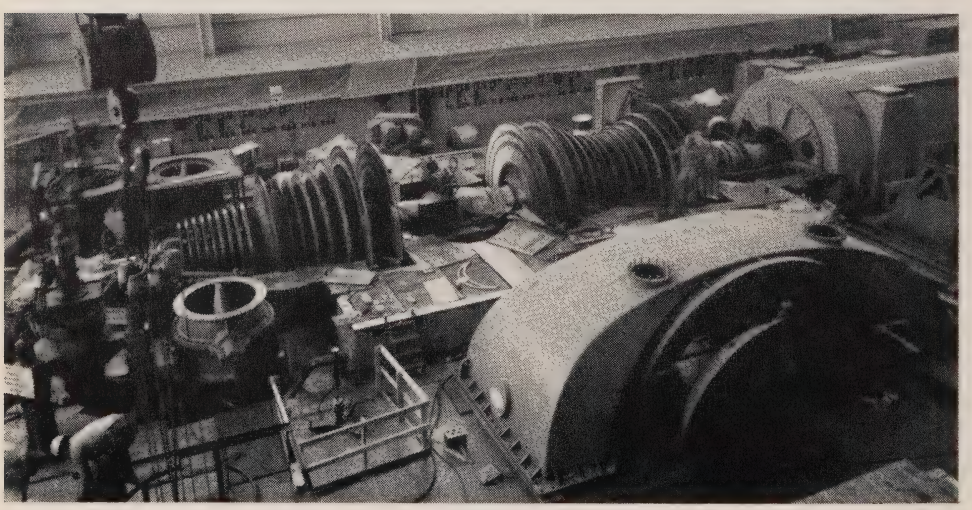
Flows at all three of the developments on the lower Mattagami River will be augmented by the diversion into the Mattagami of part of the flow available from the Opasatika River. The diverted water, controlled by a timber-crib dam on the Opasatika, will flow through an excavated channel about 6,200 feet long, and thereafter through a series of tributaries flowing into the Mattagami River at a point about 10 miles up stream from Little Long Generating Station.

An access road to the site was completed. Work on the channel is scheduled to be completed in 1965. Construction of the control dam at Zadi Lake is scheduled for completion in September 1965.

MOUNTAIN CHUTE GENERATING STATION — MADAWASKA RIVER

Location —About 8 miles up stream from Barrett Chute Generating Station, and 22 miles southwest of Renfrew.
Tentative Capacity —160,000 kilowatts in 2 units, 60 cycles.
Rated Head —153 feet.
In-Service Schedule —Autumn of 1967.
Estimated Cost —$27,684,000, including generation, step-up transformation, and high-voltage switching at the site.

The decision to proceed with this project was taken in June 1964. Between then and the end of the year, geological investigations for the foundations were partly completed, a four-mile access road was built, and the power site was partly cleared.

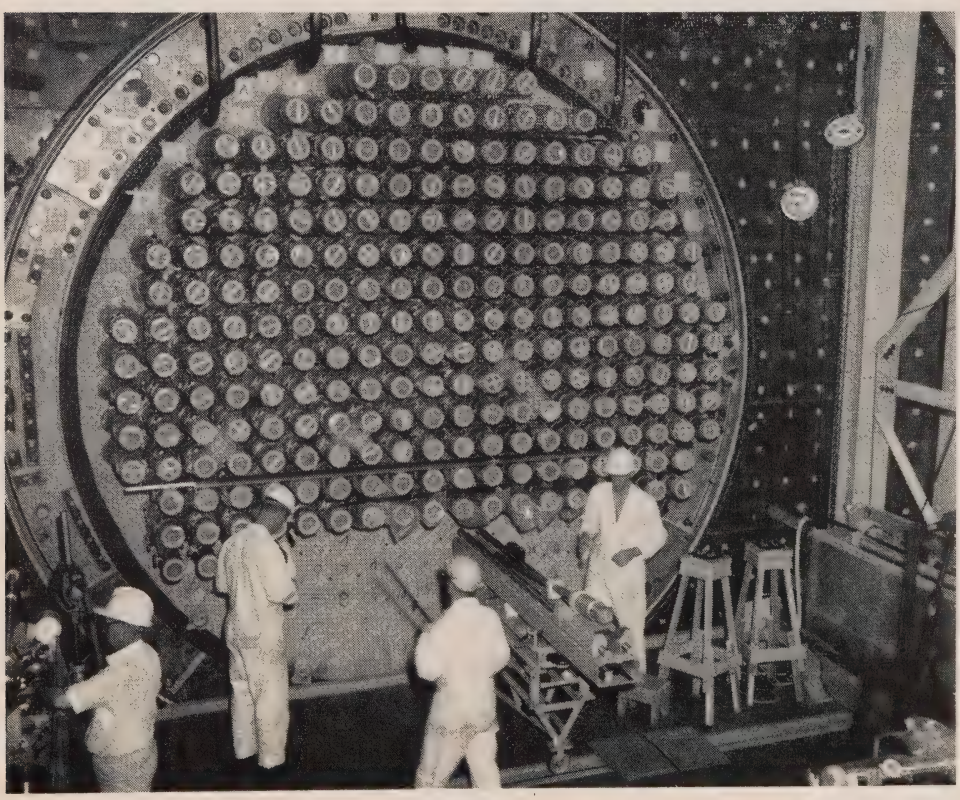


This 1,100-ton turbine-generator at Douglas Point Nuclear Power Station will produce 200,000 kilowatts. The unit is more than 95 feet long.

Nuclear-Electric Generating Projects

The installation of major components for the 200,000-kilowatt unit at Douglas Point Nuclear Power Station on the shore of Lake Huron is nearing completion. The Commission is constructing the station for Atomic Energy of Canada Limited, and will purchase power from the station when it is placed in service in mid-1966. Under the terms of an agreement for the eventual purchase by the Commission of the station itself, its output will be competitive with that of a modern coal-fired station.

The nuclear electric program was further expanded in 1964 when the Commission, after reaching agreement with the Federal and Provincial Governments on arrangements for financing, initiated plans for the design and construction of a much larger nuclear station to be located on the shore of Lake Ontario in Pickering Township just east of Toronto. A total of 1,080,000 kilowatts will be installed in two units, one scheduled for service in 1970, and the other in 1971. The estimated cost for the two-unit station is $266 million. The station is, however, being designed to permit the later installation of additional units.



DOUGLAS POINT NUCLEAR POWER STATION — The CANDU reactor employs natural uranium as fuel, and heavy water as both moderator and coolant, allowing a sustained, controlled chain reaction. Workmen are shown completing pressure-tube assemblies, through which the heavy water coolant passes over hot fuel bundles to carry heat to steam generators.

The design and construction of the station will be the over-all responsibility of the Commission, with Atomic Energy of Canada Limited responsible for the design of the reactor portion of the plant. The reactors, like that at Douglas Point, will be of the CANDU type, employing natural uranium as fuel, and heavy water both as moderator and as coolant.

Rehabilitation and Enlargement of the Chippawa Power Canal

A project to rehabilitate and enlarge the Chippawa Power Canal was begun early in 1964 and is scheduled to be completed late in 1965. The Chippawa Power Canal, together with the much larger No. 2 canal and tunnel system placed in service in 1954, carries water diverted from the Niagara River up stream from the falls to the interconnected forebays of the Sir Adam Beck-Niagara Generating Stations No. 1 and 2 further down stream.

Rehabilitation, made necessary by the cumulative effects of gradual deterioration during the 43 years the canal had been in use, includes repairs to the concrete lining below the water line, and stabilization and protection of the rock walls of the cut above the water line. Along some sections of the canal, the rock walls have been cut back to a less steep slope; other sections of the walls were protected by the application of a sand and cement mixture sprayed under high pressure over a wire mesh base.

The canal is being enlarged by deepening an upstream section about five miles long, and widening the remaining downstream section, about 1½ miles long. This will increase the capacity of the canal by about 6,500 cfs to a total flow of 22,500 cfs, and will permit water otherwise used at the Ontario Power and Toronto Power Generating Stations to be used instead at the higher-head and more efficient Sir Adam Beck Stations.

While work on the Chippawa Power Canal is in progress, and tourist-season restrictions on the diversion of water for power purposes are in effect, the flow to both Sir Adam Beck-Niagara Generating Stations is being carried through the No. 2 canal and tunnel system. However, to ensure that during the 1964-65 winter period of heavy demands for power the fullest and most efficient use was made of the permissible diversion from the Niagara River, the rehabilitation work was interrupted and the Chippawa Power Canal was re-opened at the beginning of November 1964. The canal will be closed again prior to the resumption of this work in 1965.

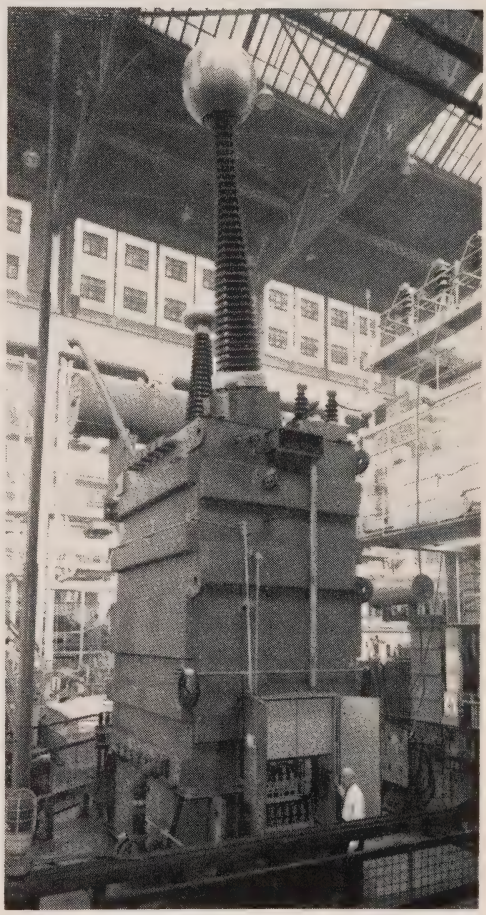
Ice Boom at Entrance to the Niagara River

A timber boom, held in place by heavy cables attached to 28 anchors embedded in rock, was installed in Lake Erie at the entrance to the Niagara River. A joint undertaking of the Commission and the Power Authority of the State of New York, the boom is intended to facilitate the formation of ice cover on the lake, and thereby to reduce the adverse effect on power station operations of ice accumulation in the river itself.

TRANSFORMER STATIONS

Three principal stations are associated with the extra-high-voltage line that will eventually bring power at 500 kv from the far northern generating resources in northeastern Ontario to the southern part of the province. These stations are Pinard Transformer Station, which is the northern terminal near Abitibi Canyon Generating Station, Hanmer Transformer Station near Sudbury, and Kleinburg Transformer Station northwest of Toronto.

For Pinard Transformer Station, detailed design work was almost complete by the end of 1964 for the installation of three 200,000 - kva, single-phase transformers with their associated facilities. Following the incorporation of Harmon Generating Station in 1965, they will provide the transformation of 230-kv power to 500 kv for transmission from the northern resources to Hanmer Transformer Station. The pouring of concrete for the transformer and switching structure foundations was completed, and the first of the new autotransformers was delivered to the site. Railway restrictions prevented shipment of the transformers in an upright position. They will be raised by means of a special rocking assembly attached to the base.



EHV TRANSFORMER — Shown here under test at the manufacturer's plant, this 500—230-kv autotransformer is one of four to be placed in service in 1965 at Pinard Transformer Station near Abitibi Canyon Generating Station.

At Hanmer Transformer Station the first stage of construction will bring two 300,000-kva, three-phase, 500—230-kv autotransformers into service in 1965. Design work for this stage was nearly finished, and the superstructures for the station buildings were completed. In the second stage, the 500-kv switching facilities required for transmitting power at 500 kv to Kleinburg Transformer Station will be installed.

Kleinburg Transformer Station is scheduled for service in May 1966. Initially it will also have two 300,000-kva, 3-phase autotransformers which will step 500-kv

power down to 230 kv. Power will be transmitted to Richview Transformer Station at this voltage. Provision is being made at Kleinburg Transformer Station for an ultimate transformer capacity of 6 million kva.

Western and Niagara Regions

At Allanburg Transformer Station, a second 225,000-kva, 230—115-kv autotransformer is being installed to replace one of 115,000-kva capacity. It is scheduled for service in mid-1965.

Work is continuing for the installation of two 60,000/120,000-kva, 115—13.8-kv transformers at Hamilton-Gage Transformer Station. The 60-cycle Port Colborne Transformer Station, to provide for some loads formerly supplied from Crowland Transformer Station, was placed in service in January 1964 with an initial installation of two 25,000/41,666-kva, 115—27.6-kv transformers. The installation of 230—115-kv transformation together with associated facilities at Hamilton-Beach Transformer Station is scheduled for completion in the autumn of 1965.

The new Centralia Transformer Station was placed in service with three 15,000-kva, 115—27.6-kv transformers. Goderich Transformer Station, with an initial installation of two 15,000-kva, 115—27.6-kv transformers, is under construction. A site has been acquired for London-Wonderland Transformer Station, where a first installation of two 50,000/83,333-kva, 230—27.6-kv transformers will serve loads in and near the city. The 115—27.6-kv capacities of Galt, Strathroy, Tillsonburg, and Sarnia-St. Andrew Transformer Stations have been increased, the first by adding two 15,000-kva transformers for service in January 1965, and the others each by replacing two transformers with two of larger capacities. At Strathroy Transformer Station the new transformers are of 25,000/41,666-kva capacity, one placed in service in November 1964, and the other scheduled for service in 1965. At Tillsonburg the new transformers are of 30,000/50,000-kva capacity, and at Sarnia-St. Andrew Transformer Station they are of 50,000/83,333-kva capacity.

Central and Georgian Bay Regions

At Essa Transformer Station one of the two 115,000-kva, 230—115-kv autotransformers which have been installed to replace two of 78,000-kva capacity was placed in service. The other is due to be placed in operation in April 1965. Temporary 230-kv terminal facilities are being provided there for the period in which the ehv line from Hanmer Transformer Station will be used to bring power from northern generating resources at 230 kv. Similar facilities were installed at Hanover Transformer Station for the two 230-kv lines from Douglas Point Nuclear Power Station. Pleasant Transformer Station, rebuilt for 230-kv operation, was placed in service in October 1964 with two 75,000/125,000-kva, 230—44—27.6-kv transformers. Oshawa-Thornton Transformer Station, being similarly rebuilt, is scheduled for 230-kv operation in May 1965.

At A. W. Manby Transformer Station, terminal facilities were provided for receiving the output of Units 3 and 4 at Lakeview Generating Station, and those for receiving the output of Units 5 and 6 are being made ready. The program for the replacement of circuit-breakers at Richview Transformer Station with oil circuit-breakers of 20-million-kva capacity was completed in 1964.

A new 230—27.6-kv transformer station to be known as Toronto-Bermondsey Transformer Station is being built near Eglinton Avenue and Bermondsey Road in Toronto. Two 75,000/125,000-kva transformers of a total ultimate installation of six will be installed in the autumn of 1965 to supply loads in North York and Scarborough Townships. The same procedure for the installation of the same capacity is planned for the new Toronto-Finch Transformer Station to be constructed on Finch Avenue near Highway 400 in Toronto.

The 115—13.8-kv indoor Toronto-Dufferin Transformer Station commenced operation in November 1964 with two 40,000/80,000-kva transformers, supervisory controlled from A. W. Manby Transformer Station. It will ultimately have an additional pair of similar transformers. Toronto-Charles and Toronto-Duplex Transformer Stations, each being designed for the installation of pairs of transformers of this same capacity, are scheduled for service respectively for the spring and the autumn of 1967. Both will be supervisory controlled from Leaside Transformer Station.

Eastern Region

As part of the change from 115-kv to 230-kv operation begun in 1963, one of two 50,000/83,333-kva, 230—44-kv transformers at Brockville Transformer Station was placed in service in September, and the other will be ready early in 1965. Like two similar transformers being installed at St. Lawrence Transformer Station, they are replacing two 25,000/41,666-kva transformers. The equipment at the latter station is expected to be in service early in 1965, and the 44-kv switchyard has been modified to accommodate the increased capacity.

April and October 1965 are the scheduled in-service dates for two 115—44-kv transformer stations, the first about eight miles west of Ottawa, to be known as South March Transformer Station, and the second at Arnprior. The latter will have one 25,000/41,666-kva transformer, and the other will have two. South March Transformer Station is planned for future development as a major switching terminal station with 230-kv, 115-kv, and 44-kv switchyards. Ottawa-Hinchey Transformer Station, within the City of Ottawa, is being designed as an indoor station in conformity with the National Capital Commission's architectural requirements. It is scheduled for service in the autumn of 1966, initially with two 40,000/80,000-kva, 115—44-kv transformers, provision being made for the eventual addition of two others of the same capacity.

Northeastern and Northwestern Regions

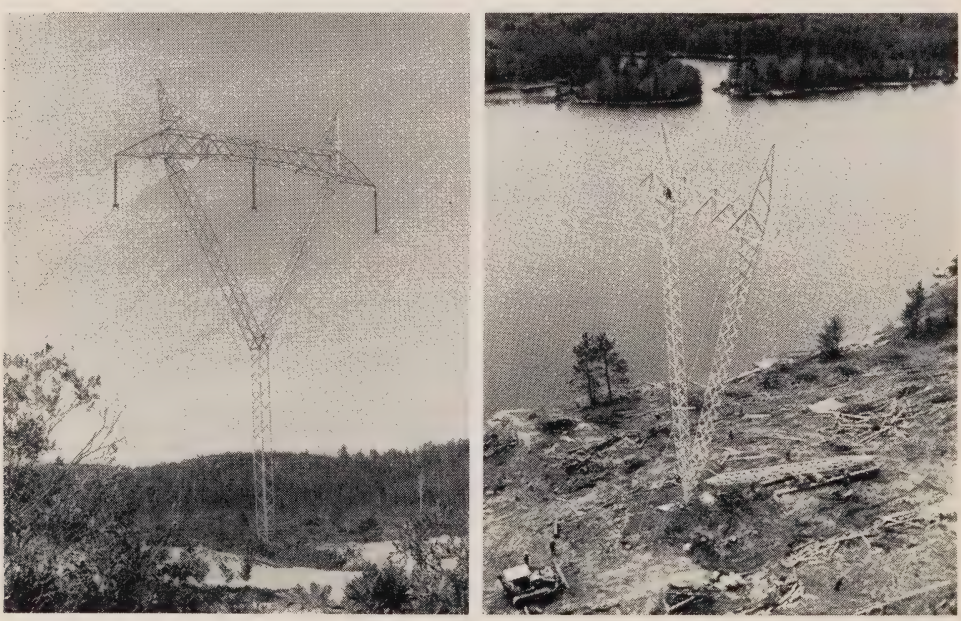
Switching facilities at R. H. Martindale Transformer Station are being expanded, and a circuit breaker is being added to accommodate a new 230-kv line

which will be connected to the Hanmer-Essa section of the ehv line for operation at 230 kv in June 1965. A new 15,000-kva, 115—25-kv transformer station placed in service in Hearst is supplied from Kapuskasing Transformer Station over 60 miles of newly constructed transmission line, approximately half of which had been in service at 25 kv since 1962. At Port Arthur-Birch Transformer Station, high-speed tripping, and reclosing relay facilities were placed in service at the terminals of the two 115-kv transmission facilities from Pine Portage Generating Station.

TRANSMISSION LINES

By the end of 1964, construction had been completed for approximately 110 miles of the ehv line extending southward from Hanmer Transformer Station near Sudbury to the site of Kleinburg Transformer Station northwest of Toronto. During the year more than 530 towers were erected. The line is scheduled for completion as far as Essa Transformer Station by the summer of 1965, and to Kleinburg Transformer Station by the beginning of 1966.

The use of the Commission's interconnections with the Detroit Edison Company has increased to the point where additional tie-line facilities are now required. The addition proposed is to be a 345-kv single-circuit line linking Lambton Generating Station with the Detroit Edison Company's St. Clair Station. The river crossing span of nearly half a mile across the St. Clair River, 2.5 miles down stream from



EHV TRANSMISSION — Guyed towers of three types in these two basic shapes — Y-shaped aluminum, V-shaped aluminum, and V-shaped steel — are being used in the construction of the 435-mile transmission line which by the summer of 1966 will carry power to the Toronto area at 500 kv from the new generating station complex in the James Bay watershed. The 235-mile northern section of the line, which was placed in service at 230 kv late in 1963, will be converted to 500-kv operation in the fall of 1965.

Lambton Generating Station, will be supported on 320-foot crossing towers. When the line is first placed in service late in 1966, it will be supplied at 230 kv over a new line extending 13 miles from the site of Sarnia-Scott Transformer Station to Lambton Generating Station.

More than 60 circuit miles of additions to the transmission network were made, to supply 230-kv power to Pleasant Transformer Station near Brampton, and eventually to Buttonville Transformer Station, and also to improve service to Brockville and the surrounding area.

The 115-kv single-circuit line from Kapuskasing to Hearst was completed in 1964 with the construction of the second section, which extends for 29 miles from Lowther Junction to Hearst. Construction was begun also for a 53-mile 115-kv single-circuit line which will connect the Great Lakes Power Company's Hollingsworth Falls Generating Station with a new distributing station in Chapleau.

The underground 115-kv cable system in Toronto was extended by two pipe-type cable circuits, each 0.75 mile in length, to serve Toronto-Dufferin Transformer Station. Nearly half a mile of double-circuit 115-kv underground cable was relocated to accommodate the Gardiner Expressway in the vicinity of Leslie Street.

Total Milage of Transmission Lines and Circuits

Voltage and Structure	Line Route or Structure Miles		Circuit Miles	
	At Dec. 31, 1963	At Dec. 31, 1964	At Dec. 31, 1963	At Dec. 31, 1964
EAST SYSTEM				
500,000-volt aluminum or steel tower	227.49	227.52	227.49	227.52
230,000-volt steel tower	3,223.01	3,248.11	4,242.48	4,293.40
230,000-volt wood pole	252.01	252.01	252.01	252.01
230,000-volt underground cable	0.84	0.84	1.68	1.68
115,000-volt steel tower	1,980.44	1,978.33	3,290.50	3,286.53
115,000-volt wood pole	1,589.96	1,633.01	1,596.46	1,639.64
115,000-volt underground cable	27.41	28.91	60.36	61.86
60,000-volt steel tower	11.20	11.20	12.33	12.33
60,000-volt wood pole	3.31	3.31	3.31	3.31
44,000-volt and less wood and steel	6,140.82	6,200.14	6,636.77	6,695.72
Total—East System	13,456.49	13,583.38	16,323.39	16,474.00
WEST SYSTEM				
115,000-volt steel tower	419.80	420.66	622.42	623.28
115,000-volt wood pole	918.30	876.52	918.30	876.52
69,000-volt wood pole	203.72	203.72	203.72	203.72
44,000-volt and less wood pole	534.40	607.81	574.72	648.13
Total—West System	2,076.22	2,108.71	2,319.16	2,351.65
Total—East and West Systems	15,532.71	15,692.09	18,642.55	18,825.65

SECTION V

RESEARCH AND TESTING ACTIVITIES

Research and testing services to meet technical needs of the various Branches and the Regions of the Commission are provided by the Research Division for the solution of complex problems in the design, construction, operation, and maintenance of the systems. These investigations, whether in the form of laboratory studies, or of field work as required throughout the Province, play an important part in ensuring the application of the latest and most desirable engineering and operating practices, consistent with sound economy. Continuing liaison with other research bodies having related interests, together with participation in the work of technical societies and standardizing agencies, results in the exchange of technical information that is of benefit to the Commission, to the associated municipal utilities, and indirectly to all customers.

Descriptions of facilities newly added, and brief accounts of a few of the more significant of the Commission's research and testing activities are presented in the following paragraphs.

From time to time in the Ontario Hydro publication *Research Quarterly,* progress reports and findings are issued in connection with some of these activities, to which the reader is referred for further details. In the nature of the Commission's operations, some of these studies are continued over periods of several years.

Aids to Design

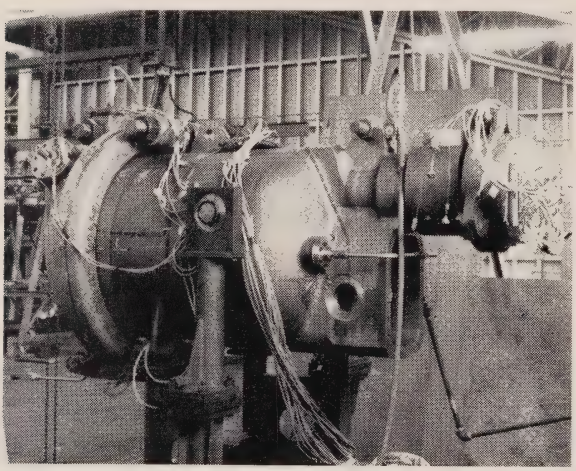
Fault-Current Capability of Overhead Ground Wires

With the trend to higher fault currents on transmission lines, overhead ground wires of greater cross-sections are often required. The selection of ground wires has until recently been based largely on theoretical calculations which do not take adequately into account the effect that temperature rises resulting from system faults have on the physical properties of the wires. In order to obtain sufficiently accurate performance data on which to base the optimum selection of ground wires, samples of several wire types and sizes were tested. Ground-wire specimens were subjected to controlled fault-currents ranging in magnitude from several hundred to over 30,000 amperes, depending on the sample being tested. Tensile strength, percentage elongation, and torsional ductility were determined from mechanical tests. Relations between fault current and duration, and maximum temperature rise, and between the loss of tensile strength due to annealing and maximum temperature rise, were established. The loss of tensile strength due to cumulative annealing, as the result of several faults, was also evaluated.

NEW BOLOMETER WITH IMPROVED FEATURES — In the construction of a second model of the infra-red radiation detector that has been so successfully used for the past fifteen years for checking power-line joints and deadends for overheating, a number of improvements have been incorporated. The use of transistors in the amplifier, together with other changes, has permitted a reduction of nearly 25 per cent in the weight of the bolometer.

Uplift Capacity of Foundations

Although the bearing capacity of foundations in soil is reasonably well established in both theory and practice, calculation of their ability to resist uplift and overturning forces is largely conjectural. This is evident in the prevailing uncertainty in the technical literature regarding design methods. The problem is important to the Commission, particularly in the design of transmission-line tower footings. The uplift characteristics of model footings embedded both in sand and in clay, were studied in the laboratory. Analysis of the test results indicated useful relations between a wide range of footing proportions and the soil strength properties, as well as a marked reduction in the uplift capacity in clay under long-term sustained load conditions. With the results of a limited number of full-scale field tests showing reasonable correlation with those from the laboratory tests, the work to date provides a worthwhile study of the uplift problem as well as useful information for design purposes.



STRESS AND VIBRATION STUDIES — With large nuclear-electric stations now in the design and construction stages, special equipment has been devised for the study of vibration characteristics and stress problems in the unusual type of equipment and conditions associated with these stations.

Stress and Vibration Studies —Nuclear Power Applications

In co-operation with Atomic Energy of Canada Limited, vibration characteristics and stress problems were investigated in special equipment for use in nuclear-electric generating stations. Measurements of calandria - tube vibration levels and analysis of stresses in a fuelling machine were included. This type of study will likely become more frequent as new nuclear power plants enter the design and construction stages.

Air and Water Pollution Studies

An intensive study was begun of the atmospheric, river-water, and groundwater conditions associated with the site of Lambton Generating Station, which is located close to the heavily industrialized Sarnia area. By providing data needed to predict the effects that the environment may have on the operation and maintenance of the station, the study will be an aid to design, but on a long-term basis as well, it will provide the data necessary for evaluating the change in environmental conditions introduced when the station is brought into service.

Smoke Detectors

In view of the risk that possible fire outbreaks in unattended stations may not be detected promptly, the effectiveness of various types of smoke detectors

currently in use or available commercially was evaluated. A specially constructed test box enables closer control of the rate of smoke generation and of the type of smoke than would otherwise be possible in a room-size test. The final test results will be used as a guide in the preparation of a specification intended to ensure the maximum reliability and promptness in response of smoke detection systems used by the Commission.

Aids to Operation

Detection of Ice on High-Voltage Lines

Ice coatings on power-line conductors, as the result of freezing rain or wet snow, can lead to service interruptions arising from electrical faults, to mechanical failure of the conductors, or on occasion even to the collapse of transmission towers. An electronic ice detector was developed for indicating not only the presence of ice formations on lines, but also their severity and approximate location. In operation, the detector monitors the attenuation of carrier-frequency currents which results from the presence of ice or hoarfrost on the conductors. The indication of dangerous ice levels would prompt the station operator to take immediate action.

Five experimental detectors at present under field trials on 230-kv lines have given promising results.

Generator-Angle Stabilizer

A generator-angle stabilizing device was developed, which increases the amount of power that can be transmitted long distances, for example via the Commission's 500-kv line. Designed for use with quick-response rectifier-type generator excitation systems such as those installed in new stations in the Moose River generating complex, the stabilizer improves power-system stability by minimizing undesirable generator oscillations. From generator output voltage, the stabilizer produces two simulated voltages, one corresponding to the generator internal voltage, the other to system voltage at a chosen remote point; from the changing phase relation between the voltages, a varying voltage is produced which acts continuously on the excitation control to stabilize the generator output. For still more accurate detection of small variations in rotor speed, additional equipment is under development which will make possible even greater utilization of generation and long-distance-transmission capability.

Since the spring of 1964, stabilizers of this type have been operating successfully at Otter Rapids and Little Long Generating Stations. Plans call for the installation of similar stabilizers in rectifier-type excitation systems as other generators are completed.

Radiation Tests on Power-Line Carrier Communication Systems

In tests carried out under the sponsorship of the Canadian Electrical Association, study was given to the possibility of widening the severely crowded power-line carrier spectrum to allow the use of frequencies in the 200- to 485-kilocycle band. At present, radio frequencies in this band, administered by the Department of Transport, are being used by aeronautical and maritime services for communications and position finding.

For the tests, special carrier links installed on one of the Commission's Essa to Minden transmission lines were operated at frequencies of 285 and 440 kilocycles. The radiation from the line was then recorded in a specially equipped aircraft which flew repeated traverses over the area. Radiation was also measured at ground locations both close to and remote from the line.

An analysis of the results shows that carrier signals at these frequencies are not discernible beyond a few miles from a high-voltage line. On the basis of the test results, Department of Transport approval will be sought for the use by Canadian utilities of a widened carrier spectrum.

Carrier Relaying on Insulated Overhead Ground Wire

Throughout the summer of 1964, an investigation was made into the practicability of using insulated overhead ground wires on high-voltage transmission lines as communications channels for carrier relaying. During the experiments, which were made on a 48-mile-long section of a 230-kv double-circuit line, carrier trip signals were triggered automatically by lightning impulses themselves, and the successful arrival of the signal at the receiving end of the line was recorded. Of 640 signals transmitted, all but two were received successfully.

Appraisal and Application of Materials, Components, and Equipment

Structural Steel for Use in Industrial Areas

Transmission towers and station structures in industrial and urban locations often require maintenance cleaning and painting within the first five years, and recleaning and repainting more frequently thereafter. Two promising alternatives to this expensive procedure were examined, one to use steel treated with a heavier zinc coating applied by a spray metallizing technique (10 to 20 mils thickness as compared with 3 to 5 mils obtained by hot-dip galvanizing), and the other to use low-alloy high-tensile steels having good resistance to atmospheric corrosion in industrial areas.

Although more expensive initially than the conventional hot-dip coating, the thicker zinc coatings obtainable by spray metallizing, using either the wire or

powder methods, might be more economical in the long run for industrial exposures. On the other hand, certain low-alloy steels, instead of rusting away progressively, develop an adherent brown film of alloy compounds which retards further attack. Laboratory exposure tests of various steel samples for up to ten years have confirmed the superiority of low-alloy steel over plain carbon steel. In locations where the brownish colour is acceptable, the use of low-alloy steel is probably the better alternative.

Prefabricated, Insulated Building Panels

In laboratory tests, commercially available urethane-foam-filled prefabricated wall units were found suitable for a wide range of Ontario Hydro applications. Use of the wall units eliminates the need for a separate operation in thermally insulating a structure. This simplifies construction and often effects substantial savings in costs, especially at remote construction sites.

A special application was the use of prefabricated building panels as an insulated cladding system for hydraulic sluice gates at the Harmon and Kipling Generating Stations.

Articulated Rubber-Tired Vehicles

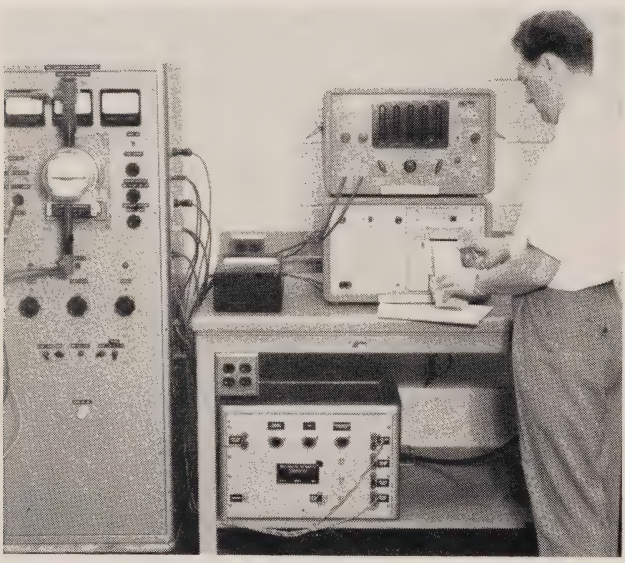
In 1962, an articulated rubber-tired vehicle was placed in service for evaluation as a possible alternative to muskeg tractors for certain uses. Tracked vehicles, though they give good service in off-the-road operations, have two basic limitations — low load-carrying capacity and high maintenance costs. In trial use on line-stringing, pole-raising, spraying, and snow-clearing operations, the rubber-tired vehicle was found to perform satisfactorily with respect to these characteristics. As a result a fleet of these units was purchased in 1964 for use in forestry and other work.

This is one of the Commission's fleet of articulated vehicles that have proved their versatility in forestry and maintenance operations.

For forestry operations, nine units were fitted with 600-gallon tanks for use in right-of-way herbicide spraying operations, and one was fitted with a brush chipper, and one with a brush chipper and a telescopic ladder. Practical experience with these machines showed that they were more economical than their tracked

counterparts, but indicated that they suffered somewhat from lack of stability. Further studies, undertaken later, showed that proper selection of wheelbase, track width, tank location, and general weight distribution would provide vehicles with better stability, traction, and flotation performance. These findings were incorporated in purchase specifications and were used also as a guide for modification of vehicles already in service.

Aids to Preventive and Routine Maintenance



SEMI-AUTOMATIC WATT-HOUR METER TESTING — In checking the registration of the meter on the test console at the left, the operator examines data from a numeric printer which records elapsed time during a test. The electronic counter resting on the printer visually indicates the elapsed time. A controlled power supply on the table shelf below automatically regulates the power flow through the test sample. The laboratory watt-meter seen on the corner of the table gives accurate visual indication of the power flow.

Metallurgical Studies for Thermal Stations

The increasing number of thermal - electric generating units gives rise to more problems in thermal - plant design, construction, operation, and maintenance. In several instances where metallic components were subjected to fatigue - inducing loads, these components were subjected to non-destructive tests and metallographic examinations to assist in forestalling in-service failures of the equipment.

The shrouding, and the rotating and stationary blading in units at all the major thermal plants were examined for evidence of fatigue. Included also were a wide variety of non-destructive and metallographic studies of a number of miscellaneous components.

Underwater Protective Coatings

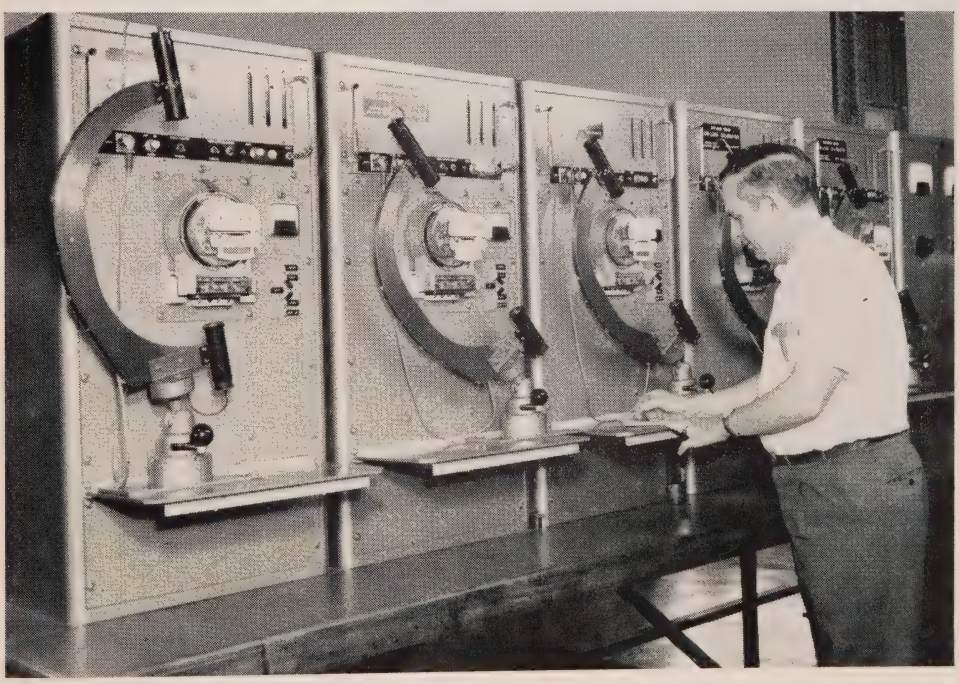
Continuous laboratory and field immersion tests over a 10-year period have indicated considerable differences in the performance of protective coating materials for underwater steel structures. Wide variations in performance have been found to depend not only on the type of coating material and the shape and surface preparation of the structure, but also on the effects of service conditions, abrasion by ice for example. Materials of the same type differed substantially in performance, depending on the source of manufacture.

Of 91 types or variations of coating systems evaluated, seven were selected as suitable for all-round use on wire-brushed surfaces. Six systems, principally vinyl, coal-tar epoxy, neoprene, and lead-pigmented grease coatings, which performed excellently during the test period, are recommended for use on sand-blasted surfaces.

Maintenance of In-Service Accuracy of Watt-Hour Meters

The removal of single-phase watt-hour meters from service for calibration checking every 6 to 8 years, as required by the present Federal Government regulations in order to correct those few meters that have become inaccurate, inevitably involves much unnecessary work with meters in satisfactory condition. Studies of meter behaviour both in service and in a special test-installation of two hundred meters operating outdoors at the research laboratories, together with a study of the effectiveness of alternative meter-management systems, have indicated that the application of statistical principles to meter sampling and testing would greatly reduce the cost of maintaining the in-service accuracy of meters.

Experience in meter testing on a statistical basis, obtained by sampling about twenty thousand meters in service each year, has provided information which is now being used as the basis for proposals for amending the regulations governing meter testing.



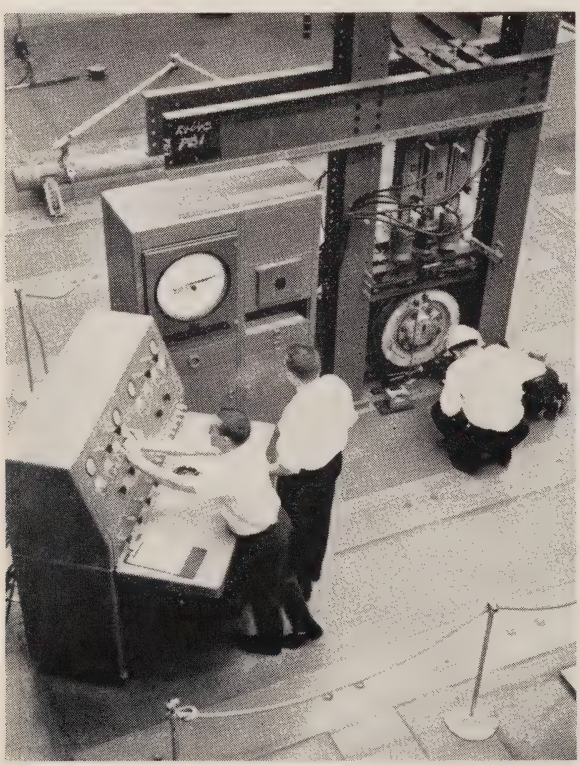
WATT-HOUR METER LOW-LOAD CALIBRATOR — The electronic equipment shown enables one operator to calibrate up to five single-phase watt-hour meters simultaneously at low loads. The photo-electric timing method and the automatic displaying of the result are among the design features that permit the meters to be calibrated more rapidly with better accuracy and uniformity than before.

Watt-Hour-Meter Low-Load Calibrator

A special semi-automatic calibrator was designed and built to permit the individual calibration at low loads of five single-phase watt-hour meters simultaneously. Previously, the timing of each meter's induction disc at low-load conditions was checked in turn by visual comparison with the rotation of the disc of a standard watt-hour meter. In the calibrator, an electronic counter compares the time taken for one revolution of the meter's induction disc with that for a master watt-hour meter, with the result displayed in digital read-out form. Elimination of the human factor in the timing operation permits the large numbers of watt-hour meters passing through the Central Meter Shop to be calibrated more rapidly and with better accuracy and uniformity than before.

Vehicle-Metal Corrosion

A continuation of studies of the character and causes of vehicle-metal corrosion confirmed the need for rustproofing the many concealed surfaces of a vehicle such as those found in the interior of doors, tailgate sections and boxed-in areas. Subsequent laboratory evaluations and field trials of several available rust preventives led eventually to the adoption of an all-purpose coating material blended from wax- and oil-based compounds, which is suitable for application by spraying both to internal spaces and on exposed undersurfaces. The protection so provided is expected to extend greatly the useful lives of such vehicles as line, service, and forestry trucks widely used by Ontario Hydro.



USE OF LOADING AND WEIGHING EQUIPMENT IN STRUCTURAL TEST — In this section of the Commission's structural laboratory, testing is in progress for a gate-wheel assembly for the Harmon Generating Station diversion port.

New Facilities and Their Application

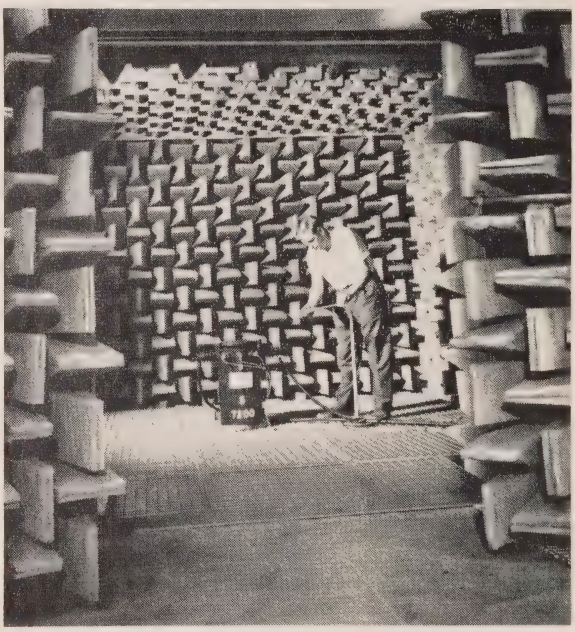
Structural Test Floor

The acquisition of highly versatile loading and weighing systems permits fuller utilization of the high-load-capacity test grid incorporated in the floor of the Structural Laboratory. Together, the loading and weighing system, the reaction frames, and the floor grid constitute a test facility that enables convenient and

accurate application and measurement of tension, compression, and shear loads in various orientations and combinations.

Each system is operated from a separate movable console. The loading console can supply and individually control four hydraulic rams remotely placed at distances up to 50 feet apart if required. The load applied by each ram is precisely measured by an in-series electric load-cell and is monitored in the weighing console. Among the testing aids that enhance the usefulness of the equipment, there are means either for cycling loads or for maintaining constant loads, and for X-Y recording.

This new facility extends greatly the capabilities for testing structural elements, tower components, footing models, conductor and hardware assemblies, building components, and various other related items. A test in which the gate-wheel assembly for the Harmon Generating Station diversion port was loaded to 260,000 pounds, demonstrated the load capability of the facility.



ECHO-FREE ROOM AT RESEARCH LABORATORY — A room at the Ontario Hydro—W. P. Dobson Research Laboratory is lined with glass-fibre wedges which effectively absorb all noise above a frequency of 100 cycles per second. Through the doorway one can see sound-pickup equipment being made ready for the study of transformer noise under these echo-free conditions.

Anechoic Room

Studies of a wide range of noise problems associated with electrical, construction, office, and other equipment are facilitated through the use of an anechoic room now completed. The room, lined with glass-fibre wedges thirty inches in length, enables noise measurements to be made without interference from outside noise or from noise reflections from the walls. The attenuation of noise transmitted through the walls ranges from 44 decibels at a frequency of 125 cycles per second to greater than 70 decibels at frequencies over 1,000 cycles per second. The absorption of the glass-fibre wall lining is 100 per cent at 100 cycles per second and over, and drops to about 95 per cent at 60 cycles per second.

Studies to date have included the measurement of noise produced by a number of distribution transformers. Similar projects under consideration are related

to a variety of small electrical and mechanical components, the diminution of the noise levels of heat pumps and air-conditioning units, and the checking and specification of acceptable limits of noise produced by office machines.

Miscellaneous Studies

Cold-Weather Operation of Diesel Engines

Construction operations, when continued throughout the winter, make extreme demands on diesel-powered equipment. With progressive refinement over the years, engines more precisely built, and designed for higher efficiency under normal operating conditions, cannot meet the demands imposed by cold-weather operating conditions in northern Ontario without excessive maintenance. It is true that manufacturers have developed some "winterizing" accessories such as radiator shutters, thermostatically controlled fans, and external coolant heaters. The results of their test work in general, however, are neither available in published form nor correlated with the equipment user's needs. Appraisals by Ontario Hydro of winterizing equipment under field trials have, therefore, been supplemented by a test program at the Ottawa Low-Temperature Laboratory of the National Research Council. The objectives are to determine the performance of specific equipment, to study the basic problems of winter operation, and possibly to initiate, under the auspices of the NRC, a co-operative study of the over-all problem.

Specifically, a study was made of the performance of a large diesel crawler-tractor and of two 25-kw diesel generator sets while they were subjected to a range of low temperatures. They were extensively tested at –50 degrees F in simulated severe northern Ontario conditions; both engine-off and engine-at-idle (fast and slow) conditions in a controlled environment were studied. The engines were fitted with oil, coolant, and battery heaters, and energy input was controlled and metered. Fuel consumption, engine revolutions, and temperatures were continuously recorded, and oil samples taken at regular intervals were analyzed.

The ultimate findings, though providing a guide to the immediate problem of cold-weather operation of diesel engines, may prompt a National Research Council co-operative study program of national scope in an effort to alleviate the problem.

Vehicle Operation Studies

The engines of line and service trucks are commonly idled for long periods of time to provide heat for the cab and crew compartment, and electric power for radio communications equipment. In order to determine the economics of this practice, a study of the operation of line and service trucks in the field has been

under way since 1961. In the first phase, line and service trucks operating in southern Ontario were instrumented. The study indicated that the need for much engine idling could be avoided if an auxiliary heating system were installed and generator and battery capacities were upgraded. The extent of necessary upgrading would be minimized by the use of a transistorized radio-transmitter set rather than an electron-tube type. To assess available auxiliary heating systems suitable for cab and crew-compartment heating, laboratory studies were made on propane- and gasoline-burning heaters. Of these, one gasoline-type heater was given a field trial in a line truck having a crew compartment. The basic performance of the prototype installation was satisfactory, and operating problems were resolved. A second field installation is under study.

For a second phase of the study, one line truck and one service truck, both operating in northern Ontario, were instrumented also. The data obtained from this phase, which will end in the spring of 1965, will be compared with those from the initial phase.

Blackfly Control in Northern Areas

Since 1949, when a blackfly control program was undertaken, knowledge of the habitat and life cycle of the species has been greatly increased. Effective means have been used for treatment of larvae-infested streams with DDT, by application both from the ground and from the air. Ground applications of insecticides to streams in the Des Joachims area, and aerial applications at Little Long, Harmon, and Kipling Generating Station work sites have demonstrated the effectiveness of the program. Streams in the Opasatika Dam diversion locality were surveyed in preparation for a control program scheduled for that locality for the spring of 1965.

SECTION VI

STAFF RELATIONS

The varied features of the Commission's activities outlined in the other sections of this Report reflect the skill, adaptability, and conscientious service of the Commission's staff. Recognition of staff competence continues to come from abroad in the form of requests for the services of Commission employees to aid in the development of power enterprises.

From time to time in 1964, as many as 26 employees of the Commission served in various capacities with power enterprises in Brazil, Ghana, and Iran, and two members of the Personnel Branch were on loan to the United Nations, one serving in Trinidad, and the other in the Gaza Strip. The total, subject to variation from month to month, included a team of Commission operations and maintenance personnel that left Canada for Ghana in the early autumn of 1964. They will remain in Ghana for two or three years to assist the Volta River Authority in the commissioning and initial operation of the Akosombo Generating Station and the associated transmission system. It also included a similar team that has been serving since 1962 at the Mohammed Reza Shah Pahlavi Generating Station in Iran. The operators of the Iran team returned home in August 1964 after the completion of training of Iranian operating staff. Several other members of the team will remain in Iran until the Iranian employees have acquired the necessary skills in electrical and mechanical maintenance, and in system control to permit them to assume full responsibility for operation of the system.

ONTARIO HYDRO PENSIONERS EXAMINE EARLY ELECTRICAL EQUIPMENT — The Commission is assembling a wide assortment of electrical equipment and appliances for eventual inclusion in a museum of electrical progress. Here a group of Commission pensioners visit the collection at the A. W. Manby Service Centre. Members of the pensioners' group have from time to time provided valuable assistance in refurbishing, classifying, and cataloguing items for the collection.

Staff Statistics

On the basis of annual averages, the total number of Commission employees increased to 14,531 in 1964 from 14,387 in 1963. The increase, however, was entirely in temporary staff engaged for the most part at major construction projects. Their number grew from an average of 2,263 in 1963 to 2,440 in 1964, while the number of regular employees declined from an average of 12,124 in 1963 to 12,091 in 1964.

In spite of the continuing decline in regular staff on an average annual basis, there is now some indication of a movement upward as the result of an increased requirement for operating and engineering staff. Progressive increases during the last nine months of the year brought the total at the end of December above that at the end of 1963.

Staff Planning and Development

Under conditions of relatively short supply, the recruitment of professional and technical personnel has been difficult, but additions to staff during 1964 included 22 engineers, 12 technical institute graduates, and 20 operators in training. To meet the requirements of electronic data processing, ten persons were recruited in the United Kingdom.

In order to meet the Commission's rapidly changing requirements, it has been necessary to shift some employees from their original fields of work to others perhaps quite unrelated to their experience. While this is an indication of the flexibility and adaptability of the staff, it has imposed quite severe strains on training facilities. In 1964, the emphasis in trades training continued to shift from apprenticeship and learner training to retraining at the journeyman level. During the year, a total of 322 employees attended courses for journeymen and higher levels, while 145 attended courses for employees below the journeyman level. In addition, training programs were provided by the various divisions and regions in sales, data processing, nuclear operations, safety, and labour and customer relations. The program of senior management seminars introduced in 1961 with the purpose of improving individual and group effectiveness, was expanded in 1964 to include a wider range of management staff.

KIPLING GENERATING STATION — MATTAGAMI RIVER — As at most of the Commission's other major projects, work continues throughout the year at a pace but little affected by changing weather. A wagon drill is shown engaged in preparatory drilling for rock blasting in the powerhouse area during the winter of 1964-65.

Some of the courses mentioned above were held at the Commission's Conference and Development Centre at Niagara Falls. These facilities, however, consist of a converted project hospital and staff houses, and are becoming increasingly unsuitable to handle the Commission's expanding training requirements. For this reason the Commission has decided to build a new centre which will be better suited to its training needs and more conveniently accessible to its employees.

To provide the required number of qualified staff for the operation of nuclear electric stations, a Nuclear Training Centre was established in 1962 at the Nuclear Power Demonstration Station near Rolphton on the Ottawa River. During the past year, 75 persons were in attendance at various times, including 13 engineers, 33 operators and 27 maintenance men. The original staff complement at the Nuclear Power Demonstration Station and these new recruitments are now shared

between that station and Douglas Point Nuclear Power Station. Standards and examinations for all personnel are set by Ontario Hydro. The Atomic Energy Control Board reviews the program and conducts independent examinations of the shift supervisors and control room operators.

Accident Prevention

By constant striving to better an already good safety record, the Commission's staff were able in 1964 to attain for the first time the low injury-frequency rate of ten lost-time injuries per million man-hours worked. In addition, the injury-severity rate was reduced from 1,200 days per million man-hours worked in 1963 to 1,100 days in 1964.

The east section of the Eastern Region and the Winchester Rural Operating Area both made significant contributions toward the achievement of this excellent safety record, each winning the National Safety Council Award of Merit for achieving more than one million man-hours of work without a lost-time injury. The east section of the Eastern Region attained this record in approximately a seven-month period ending in September 1964, and the Winchester Rural Operating Area in a 13-year period ending in June 1964.

The Commission's motor-vehicle accident-frequency rate, after nine successive declines in preceding years, remained unchanged at ten accidents per million miles driven in 1964. It was, however, nearly 19 per cent below the average for the previous five years.

An extensive new series of safety training courses launched in 1964 is expected to lead to still further improvement in the Commission's safety record.

Labour Relations

In its continuing relationship with 18 unions representing some 11,000 employees, the Commission negotiated during 1964 four important labour agreements in bargaining sessions that were marked by mutual understanding and respect. These agreements, one with the Ontario Hydro Employees' Union, one with the Allied Construction Council, and two with the Canadian Union of Operating Engineers, run through 1965 and expire on various dates in 1966.

During the year, combined committees of union and management personnel investigated many issues affecting Commission personnel throughout the province. These issues ranged from the rights of individual employees to the broad economic considerations related to wage and benefit negotiations. Of particular significance was a decision to form a committee to study and discuss the effect on employees of automation and technological change.

Through the activity of the Allied Construction Council, an association of craft unions of construction workers, it was possible to further advance certain labour relations concepts in which management, together with the Council,

pioneered at the time the Council was formed thirteen years ago. These concepts were extended in 1964 to include the adoption of wage policies in keeping with community construction standards in effect at various locations throughout the province. Contractors performing work for the Commission will also comply with the new standards.

The Commission makes available a consultative labour relations service to the associated municipal electrical utilities throughout Ontario. During 1964 extensive services were provided to 38 utilities to assist them in dealing with such matters as union certifications, negotiations, conciliations, grievances, and arbitrations. As part of this service, two newsletters are published regularly to aid the utilities in co-ordinating their labour relations work. In addition, labour relations sessions conducted by Commission personnel were attended by 330 utility supervisors during the year.

Pension and Insurance Funds

The Pension Fund and the Employees' Savings and Insurance Fund, both held in trust by the Commission for the benefit of the employees, stood respectively at $166,448,000, and $708,000 at December 31, 1964.

ADDITIONAL ACCOMMODATION AT ABITIBI CANYON — Temporary scars left by construction mark the extension which is part of the general improvement and additional housing provided for the growing operating staff associated with the new generating stations on the Mattagami River. By the summer of 1966 when the last unit now scheduled for installation at these stations will have been placed in service, staff residing here will control and maintain five generating stations on two rivers with a total installed capacity of almost 760,000 kilowatts.

PENSION AND INSURANCE FUND
SAVINGS AND INSURANCE FUND

STATEMENT OF ASSETS
as at December 31, 1964

	Pension and Insurance Fund	Savings and Insurance Fund	Total
	$	$	$
Investments			
Bonds and stocks—			
Federal and provincial government and government-guaranteed bonds	122,579,200	406,371	122,985,571
Corporation bonds	15,370,060	.....	15,370,060
Stocks	10,519,066	.....	10,519,066
Total bonds and stocks (approximate market value $147,985,000)	148,468,326	406,371	148,874,697
First mortgages on real estate	13,685,783	.....	13,685,783
Real property leased to others	416,852	.....	416,852
Total investments	162,570,961	406,371	162,977,332
Cash	114,339	.....	114,339
Accrued interest	1,811,464	2,558	1,814,022
Receivable from The Hydro-Electric Power Commission of Ontario	1,951,396	299,080	2,250,476
Total funds	166,448,160	708,009	167,156,169

NOTES

1. In the above statement, bonds are included at amortized cost, stocks at cost, first mortgages on real estate at balance of principal outstanding, and real property at cost less amortization. The par value of federal and provincial government and government-guaranteed bonds amounts to $125,127,000, and corporation bonds to $15,417,000.
2. Payments during 1964 into the Pension and Insurance Fund were made on a basis considered appropriate by a consulting actuary, and payments during the year into the Savings and Insurance Fund were made as required by the Plan.

AUDITORS' REPORT

We have examined the statement of assets of The Hydro-Electric Power Commission of Ontario Pension and Insurance Fund and Savings and Insurance Fund as at December 31, 1964. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying statement presents fairly the assets of the Funds as at December 31, 1964.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
May 7, 1965.

Medical Services

Within the framework of the preventive program to maintain and improve the general health of employees, more emphasis was given in 1964 to potential hazards to health in conventional thermal-electric and nuclear-electric generation. The radiation protection program was adapted in keeping with rapid developments in the generation of power from nuclear reactors. In this regard, liaison was maintained with a number of other authorities including the Advisory Committee of the Department of National Health and Welfare.

A first-aid post was established in the fall at the new power development site at Mountain Chute, and other posts were maintained as before at Lakeview and Douglas Point Generating Stations, and on the ehv line-construction project. At the ten-bed hospital at Little Long Generating Station a physician and nursing staff provided full medical care to the local colony of employees and their families.

Because of the danger of infection from sewage infiltration at the Chippawa Canal rehabilitation project, all workers engaged there were inoculated against typhoid fever and tetanus.

Among members of senior management, the incidence of serious illness during 1964 was abnormally high, and the Commission had the misfortune over a period of months to lose through death the valued services of four members of the senior management staff.

With regard to the staff of the Commission as a whole, it can be said that the health experience of the employees was satisfactory and above average for the community.

APPENDIX I—OPERATIONS

THE tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The table of power resources and requirements gives for each system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at the time these peak requirements occurred. A separate table on pages 88 and 89 gives the December dependable capacity and maximum output of each Commission-owned station and each source of purchased power. The dependable capacity of a station is the net output which it can be expected to supply at the time of the system primary peak requirements, assuming that all units are available and that the supply of water is normal. This capacity may be recalculated from time to time in accordance with changing conditions. The capacity of a source of purchased power is based on the terms of the purchase contract.

The Analysis of Energy Sales on pages 92 and 93 shows how the kilowatt-hours generated or purchased by the Commission and the associated municipal utilities were distributed to the various classes of ultimate customers or to interconnected sytems.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. The kilowatt figures may be converted to horsepower by assuming that one horsepower is equivalent to 0.746 kilowatts.

THE COMMISSION'S POWER RESOURCES—1964

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
East System		kw	kw	kwh
River	*Hydro-Electric Generating Stations*			
Niagara	‡Sir Adam Beck-Niagara No. 1	440,000	429,000	3,059,211,000
	Sir Adam Beck-Niagara No. 2	1,335,000	1,290,000	5,712,742,300
	Pumping-Generating Station	150,000	130,000	*111,286,600*
	†Ontario Power	118,000	49,000	6,373,000
	†Toronto Power	.....	0	*2,285,100*
Welland Canal	DeCew Falls No. 1	26,000	33,500	118,000,000
	DeCew Falls No. 2	130,000	138,600	725,159,400
	Adjustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer	*75,000*	.....	.....
Muskoka	Ragged Rapids	7,500	7,800	33,277,100
	Big Eddy	7,100	7,575	30,702,270
South Muskoka	South Falls	4,200	4,450	18,731,940
	Trethewey Falls	1,600	1,800	8,299,000
	Hanna Chute	1,200	1,400	6,113,160
Beaver	Eugenia	5,400	3,700	11,085,600
Severn	Big Chute	4,300	4,485	24,698,400
Saugeen	Hanover	250	250	817,880
Trent	Heely Falls	11,150	12,000	59,076,350
	Ranney Falls	8,350	8,100	43,489,180
	Meyersburg	5,100	5,663	26,574,290
	Sidney	3,350	3,600	15,961,600
	Hagues Reach	3,250	3,560	19,066,650
	Seymour	2,950	2,832	15,763,680
	Frankford	2,550	2,650	12,155,550
	Sills Island	1,550	900	5,789,040
Otonabee	Auburn	1,750	1,596	9,083,040
	Lakefield	1,650	1,656	4,182,580
St. Lawrence	Robert H. Saunders-St. Lawrence	659,000	699,000	5,313,165,000
Ottawa	Des Joachims	372,000	378,000	1,996,560,000
	Otto Holden	210,000	220,000	1,067,565,700
	Chenaux	116,000	122,000	643,196,800
	Chats Falls (Ontario Half)	82,000	88,000	459,037,500
Madawaska	Stewartville	63,000	65,500	170,813,400
	Barrett Chute	42,000	42,000	155,995,400
	Calabogie	4,400	4,575	21,018,660
Mississippi	High Falls	2,450	2,000	12,870,720
	Galetta	800	480	3,436,190
Rideau	Merrickville	900	285	2,501,210
Abitibi	‡Abitibi Canyon	232,000	221,300	1,322,053,000
	Otter Rapids	180,700	168,000	762,040,400
Mississagi	George W. Rayner	47,000	47,820	294,131,750
	Red Rock Falls	42,200	41,800	180,261,700
Mattagami	Little Long	123,000	126,000	575,431,700
	†Wawaitin	10,800	10,600	69,561,496
	†Lower Sturgeon	6,000	6,000	44,532,277
	†Sandy Falls	2,700	2,140	18,654,212
Montreal	Upper Notch	8,400	8,100	52,490,000
	Hound Chute	3,600	3,900	29,145,600
	Indian Chute	3,000	3,000	14,186,040
	Fountain Falls	2,000	2,010	15,983,040
Wanapitei	Stinson	5,700	4,410	22,507,720
	Coniston	4,100	4,080	22,321,160
	McVittie	2,200	2,060	14,643,600
Matabitchuan	Matabitchuan	10,000	10,000	58,486,960
Sturgeon	Crystal Falls	8,200	6,120	38,333,700
South	Nipissing	1,600	1,600	7,960,720
	Elliott Chute	1,400	1,460	3,930,132
	Bingham Chute	900	910	3,487,640
Total hydro-electric—East System		4,445,250	.....	23,249,084,737
Location	*Thermal-Electric Generating Stations*			
Windsor	J. Clark Keith	256,000	253,000	545,789,200
Toronto	Richard L. Hearn	1,200,000	1,162,500	4,259,336,500
	Lakeview	570,000	811,000	3,632,981,000
Rolphton	Nuclear Power Demonstration	.....	20,200	141,407,200
Chapleau	Chapleau (Diesel-electric)	1,000	754	1,604,800
Total thermal-electric—East System		2,027,000	.....	8,581,118,700
Total generated—East System		6,472,250	.....	31,830,203,437

THE COMMISSION'S POWER RESOURCES—1964

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
		kw	kw	kwh
East System—Continued				
	Sources of Purchased Power			
Detroit Edison Co.		.....	317,000	708,356,440
‡Niagara Mohawk Power Corp.		.....	473,000	1,616,839,000
†Canadian Niagara Power Co.		15,000	0	374,000
Power Authority of the State of New York		.....	106,000	571,152,000
‡Quebec Hydro-Electric Commission		425,500	592,500	4,625,029,228
Maclaren-Quebec Power Co.		93,000	97,700	589,211,000
Ottawa Valley Power Co.		82,000	88,000	460,600,500
‡Abitibi Power and Paper Co. Ltd.		.....	34,750	17,005,420
Great Lakes Power Corp. Ltd.		.....	26,000	36,788,000
Miscellaneous (relatively small suppliers)		1,500	31,000	30,511,551
Total purchased—East System		617,000	.....	8,655,867,139
West System				
River	*Hydro-Electric Generating Stations*			
Nipigon	Pine Portage	119,200	123,000	792,830,400
	Cameron Falls	76,700	72,500	565,132,000
	Alexander	60,900	65,000	412,370,000
English	Caribou Falls	79,300	74,000	465,540,000
	Manitou Falls	65,700	67,500	404,083,600
	Ear Falls	15,900	16,380	125,381,400
Kaministikwia	Silver Falls	45,100	47,700	273,673,400
	Kakabeka Falls	25,000	24,400	141,887,100
Winnipeg	Whitedog Falls	61,700	58,000	394,330,000
Aguasabon	Aguasabon	44,000	46,600	310,867,180
Albany	Rat Rapids	.....	0	1,350
Total hydro-electric—West System		593,500	.....	3,886,096,430
Location	*Thermal-Electric Generating Stations*			
Fort William	Thunder Bay	93,000	0	*5,578,690*
Total generated—West System		686,500	.....	3,880,517,740
	Sources of Purchased Power			
Manitoba Hydro-Electric Board		.....	7,200	32,343,465
Total purchased—West System		.....	.....	32,343,465
Total generated		**7,158,750**	.....	**35,710,721,177**
Total purchased		**617,000**	.....	**8,688,210,604**
Total generated and purchased		**7,775,750**	.....	**44,398,931,781**

*The power capacity and output referred to in this table are the 20-minute peaks for the month of December Since the various maximum outputs do not coincide, their sum is not the peak load of the system.

†25 cycles.

‡25 and 60 cycles.

POWER RESOURCES

		December Dependable		
		Commission Stations		
		Hydro-Electric	Thermal-Electric†	Total
		kw	kw	kw
East System	1964	4,445,250	2,027,000	6,472,250
	1963	4,437,250	2,015,000	6,452,250
Net increase		8,000	12,000	20,000
West System	1964	593,500	93,000	686,500
	1963	593,500	93,000	686,500
Net increase		0	0	0
Total	**1964**	**5,038,750**	**2,120,000**	**7,158,750**
	1963	**5,030,750**	**2,108,000**	**7,138,750**

*The capacities shown are those available for a 20-minute period at the times of system primary peak demand in December, the capacity of sources of purchased power being based on the terms of the purchase contract. Requirements shown are the December coincident peaks for each system and their arithmetic sum.

Energy Made Available by the Commission

	1963		1964		Increase or *Decrease*
	kwh		kwh		per cent
East System					
Generated (net)					
hydro-electric	22,712,462,538		23,249,084,737		2.4
thermal-and diesel-electric	7,726,922,800		8,581,118,700		11.1
Total generated	30,439,385,338		31,830,203,437		4.6
Purchased	7,357,592,530		8,655,867,139		17.6
Primary		34,872,790,819		37,643,614,970	7.9
Secondary		2,924,187,049		2,842,455,606	*2.8*
Total	37,796,977,868	37,796,977,868	40,486,070,576	40,486,070,576	7.1
West System					
Generated, (net)					
hydro-electric	3,602,788,565		3,886,096,430		7.9
thermal-electric	14,391,800		*5,578,690*		.....
Total generated	3,617,180,365		3,880,517,740		7.3
Purchased	57,026,951		32,343,465		*43.3*
Primary		2,771,734,954		2,987,871,666	7.8
Secondary		902,472,362		924,989,539	2.5
Total	3,674,207,316	3,674,207,316	3,912,861,205	3,912,861,205	6.5
Total					
Generated (net)					
hydro-electric	26,315,251,103		27,135,181,167		3.1
thermal-and diesel-electric	7,741,314,600		8,575,540,010		10.8
Total generated	34,056,565,703		35,710,721,177		4.9
Purchased	7,414,619,481		8,688,210,604		17.2
Primary		37,644,525,773		40,631,486,636	7.9
Secondary		3,826,659,411		3,767,445,145	*1.5*
Total	**41,471,185,184**	**41,471,185,184**	**44,398,931,781**	**44,398,931,781**	**7.1**

AND REQUIREMENTS

Capacity*				
Sources of Purchased Power	Total Dependable Capacity*	Primary Power Requirements*	Reserve	Ratio of Reserve to Requirements
kw	kw	kw	kw	per cent
617,000	7,089,250	6,745,290	343,960	5.1
617,500	7,069,750	6,351,426	718,324	11.3
500	19,500	393,864	.....	....
0	686,500	464,910	221,590	47.7
0	686,500	445,480	241,020	54.1
0	0	19,430	.....	.....
617,000	**7,775,750**	**7,210,200**	‡	‡
617,500	**7,756,250**	**6,796,906**	‡	‡

‡There is no interconnection between the East and West Systems.
†Includes diesel-electric.

ANALYSIS OF

by the Commission and Associated

	Sales by Associated Municipal Electrical Utilities Listed in Statement A
	kwh
Ultimate use:	
Residential service	8,603,146,506
Summer service	.....
Total sales residential-type service	8,603,146,506
Commercial service	4,388,173,190
Industrial power service—primary	10,464,433,725
—secondary	.....
Farm	.....
Street Lighting	331,271,641
Unclassified as to ultimate use:	
To interconnected systems for resale—primary	.....
—secondary	.....
Total sales to ultimate customers and for resale	23,787,025,062
Adjustments:	
Municipality served as direct customer	*1,604,800*
Distribution losses and unaccounted for—M.E.U.	924,992,206
Generated by M.E.U. listed in Statement A	*195,998,723*
Purchased by M.E.U. listed in Statement A from sources other than the Commission	*198,000,397*
Commission sales to municipalities and to direct and retail customers	24,316,413,348
Distribution losses and unaccounted for—Commission	.....
Transmission losses and unaccounted for—Commission	.....
Generated and purchased by the Commission	.....

ENERGY SALES

Municipal Electrical Utilities during 1964

Sales by The Hydro-Electric Power Commission of Ontario			
To Retail Customers			
In Certain Towns and Villages Served by Commission Distribution Facilities	In Rural Areas	To Direct Customers	Total
kwh	kwh	kwh	kwh
139,804,300	1,364,958,200	.....	10,107,909,006
.....	105,483,200	.....	105,483,200
139,804,300	1,470,441,400	.....	10,213,392,206
72,785,400	407,033,500	.....	4,867,992,090
23,946,600	779,264,700	8,719,143,232	19,986,788,257
.....	.....	590,122,014	590,122,014
.....	1,090,954,900	.....	1,090,954,900
3,573,400	17,303,600	.....	352,148,641
.....	.....	391,939,067	391,939,067
.....	.....	3,090,430,167	3,090,430,167
240,109,700	3,764,998,100	12,791,634,480	40,583,767,342
.....	.....	1,604,800	.....
.....	.....	.....	924,992,206
.....	.....	.....	*195,998,723*
.....	.....	.....	*198,000,397*
240,109,700	3,764,998,100	12,793,239,280	41,114,760,428
13,808,424	317,461,646	.....	331,270,070
.....	.....	.....	2,952,901,283
.....	.....	.....	44,398,931,781

APPENDIX II—FINANCIAL

Table of Financial Statements

FIXED

Statement Showing Changes during

Property	Balance December 31, 1963	In Changes	
		Placed in Service	Equipment Relocated and Reclassified
	$	$	$
Power Supply Facilities			
Hydro-Electric Generating Stations			
Niagara River			
Sir Adam Beck-Niagara No. 1	87,057,316	989,297	295,156
Sir Adam Beck-Niagara No. 2	265,182,956	458,431	*259,286*
Pumping-Generating Station	40,235,284	309	223,690
River Remedial Works and Control Structure	9,114,712	1,144,452	.....
Ontario Power	21,993,052	744	*466*
Toronto Power	11,546,739	.....	.....
Welland Canal			
DeCew Falls	27,399,998	17,042	.....
St. Lawrence River			
Robert H. Saunders-St. Lawrence	301,573,557	370,589	.....
Ottawa River			
Des Joachims	74,805,679	310,546	.....
Otto Holden	58,917,767	254,115	.....
Chenaux	29,780,083	105,600	.....
Chats Falls	8,292,931	*3,264*	.....
Ogoki Diversion	5,052,955	.....	.....
Madawaska River			
Stewartville	12,544,731	633	*1,936*
Barrett Chute	4,879,670	686	.....
Mountain Chute	.....	.....	.....
Abitibi River			
Abitibi Canyon	22,805,957	729,897	*3,515*
Otter Rapids	32,696,393	450,829	.....
Mississagi River			
George W. Rayner	18,565,901	30,775	.....
Red Rock Falls	16,888,628	2,680	.....
Mattagami River			
Little Long	45,138,681	*9,000*	.....
Harmon	.....	.....	.....
Kipling	.....	.....	.....
Nipigon River			
Pine Portage	31,984,373	22,217	.....
Cameron Falls	15,601,517	31,104	*5,939*
Alexander	11,787,960	2,256	.....
English River			
Caribou Falls	24,175,613	4,295	.....
Manitou Falls	15,518,336	.....	.....
Kaministikwia River			
Silver Falls	16,002,722	.....	.....
Winnipeg River			
Whitedog Falls	21,308,471	837	.....
Aguasabon River			
Aguasabon	12,698,461	62,691	15,328
Other properties	56,542,154	921,476	61,338
Total Hydro-Electric Generating Stations	1,300,092,597	5,899,237	324,370

ASSETS

Year 1964 and Balances at December 31, 1964

Service				
during Year				
Sales and Retirements	Balance December 31, 1964	Under Construction December 31, 1964	Total Fixed Assets December 31, 1964	Expenditures during 1964
$	$	$	$	$
228,173	88,113,596	4,398,693	92,512,289	4,538,119
70,346	265,311,755	25,144	265,336,899	42,274
.....	40,459,283	145,196	40,604,479	20,248
.....	10,259,164	155,752	10,414,916	277,737
383	21,992,947	111,777	22,104,724	70,539
.....	11,546,739	.....	11,546,739	.....
64,337	27,352,703	48,008	27,400,711	46,678
207,009	301,737,137	133,959	301,871,096	448,673
297	75,116,522	77,971	75,194,493	364,852
1,490	59,170,392	22,896	59,193,288	216,920
12,209	29,873,474	1,023	29,874,497	106,539
575	8,289,092	30,787	8,319,879	16,693
.....	5,052,955	.....	5,052,955	.....
.....	12,543,428	1,465	12,544,893	2,098
.....	4,880,356	19,883	4,900,239	20,569
.....	.....	2,129,725	2,129,725	1,731,793
16,100	23,516,239	713,667	24,229,906	1,024,427
.....	33,147,222	5,660	33,152,882	34,615
29,571	18,567,105	274	18,567,379	4,045
.....	16,891,308	1,703	16,893,011	2,142
.....	45,129,681	406	45,130,087	11,896
.....	.....	20,129,837	20,129,837	12,067,967
.....	.....	6,604,587	6,604,587	4,750,476
1,045	32,005,545	1,873	32,007,418	12,503
19,289	15,607,393	33,174	15,640,567	34,100
800	11,789,416	247,596	12,037,012	66,940
.....	24,179,908	179,467	24,359,375	168,318
.....	15,518,336	452	15,518,788	412
.....	16,002,722	2,905	16,005,627	963
574	21,308,734	19,320	21,328,054	4,712
4,500	12,771,980	*9*	12,771,971	44,749
300,966	57,224,002	3,263,022	60,487,024	124,020
957,070	1,305,359,134	38,506,213	1,343,865,347	26,256,017

FIXED

Statement Showing Changes during

Property	Balance December 31, 1963	In Changes	
		Placed in Service	Equipment Relocated and Reclassified
	$	$	$
Power Supply Facilities (Continued)			
Thermal-Electric Generating Stations			
J. Clark Keith	46,547,373	23,332	.....
Richard L. Hearn	146,654,688	429,116	.....
Lakeview	78,114,225	29,013,702	.....
Lambton	.....	.....	.....
Thunder Bay	27,000,000	29,278	10,299
Douglas Point Nuclear Power Station—Ontario Hydro Contribution	.....	.....	.....
Pickering Nuclear Power Station	.....	.....	.....
Other properties	1,046,555	.....	.....
Total Thermal-Electric Generating Stations	299,362,841	29,495,428	10,299
Total Generating Stations	1,599,455,438	35,394,665	334,669
Transformer stations	290,914,384	13,199,242	*320,657*
Transmission Lines	318,846,477	9,588,213	*69,596*
Communication Equipment	13,592,942	1,226,680	*9,328*
Retail Distribution Plant and Equipment	306,444,207	18,500,105	65,712
Total Power Supply Facilities	2,529,253,448	77,908,905	800
Administrative and Service Land, Buildings, and Equipment			
Land and Buildings	31,672,748	1,463,892	*800*
Office and Service Equipment	11,369,963	1,240,041	603,689
Total Administrative and Service Land, Buildings, and Equipment	43,042,711	2,703,933	602,889
Total Fixed Assets	2,572,296,159	80,612,838	603,689

Changes in Assets under Construction During 1964

Under construction at December 31, 1963	$ 92,646,527
Expenditures during 1964	110,121,133
	202,767,660
Less placed in service during 1964	80,612,838
Under construction at December 31, 1964	$122,154,822

Note:

The balance of $603,689 in the column Equipment Relocated and Reclassified represents the original cost of certain equipment reclassified from Tools and Equipment to Office and Service Equipment.

ASSETS

Year 1964 and Balances at December 31, 1964

Service during Year		Under Construction December 31, 1964	Total Fixed Assets December 31, 1964	Expenditures during 1964
Sales and Retirements	Balance December 31, 1964			
$	$	$	$	$
1,299	46,569,406	49,246	46,618,652	59,508
103,154	146,980,650	40,010	147,020,660	390,514
13,420	107,114,507	41,995,546	149,110,053	27,464,024
.....	.....	1,136,224	1,136,224	1,044,716
.....	27,039,577	325,335	27,364,912	21,230
.....	.....	2,910,564	2,910,564	608,450
.....	.....	390,178	390,178	90,524
143,737	902,818	1,013,138	1,915,956	*26,784*
261,610	328,606,958	47,860,241	376,467,199	29,652,182
1,218,680	1,633,966,092	86,366,454	1,720,332,546	55,908,199
1,778,634	302,014,335	11,026,179	313,040,514	16,774,697
1,304,450	327,060,644	19,346,556	346,407,200	16,250,127
214,673	14,595,621	624,690	15,220,311	568,363
7,668,430	317,341,594	1,967,977	319,309,571	18,622,580
12,184,867	2,594,978,286	119,331,856	2,714,310,142	108,123,966
857,146	32,278,694	2,822,966	35,101,660	757,126
390,739	12,822,954	.....	12,822,954	1,240,041
1,247,885	45,101,648	2,822,966	47,924,614	1,997,167
13,432,752	2,640,079,934	122,154,822	2,762,234,756	110,121,133

Summary of Sales and Retirements during 1964

Charged to accumulated depreciation	$ 6,715,190
Charged to construction in progress	76,613
Charged to operations	44,836
Proceeds from sales	6,596,113
	$13,432,752

ACCUMULATED DEPRECIATION
for the Year Ended December 31, 1964

	Power Supply Facilities			
	Generation, Transformation, Transmission, and Communications	Retail Distribution	Administrative and Service Buildings and Equipment	Total
	$	$	$	$
Balances at December 31, 1963	275,605,374	79,552,483	11,065,478	366,223,335
Add:				
Interest at 3% per annum on accumulated depreciation on plant not fully depreciated	7,173,019	2,231,586	121,359	9,525,964
Provision in the year —direct	22,065,613	8,658,955	.....	30,724,568
—indirect	11,090	.....	1,326,712	1,337,802
Transfers (including transfer from Tools and equipment)	*17,859*	17,943	388,655	388,739
Excess of salvage recoveries over removal costs on assets retired	392,117	*5,382*	*1,050*	385,685
Other adjustments	183,156	158,356	254	341,766
	305,412,510	90,613,941	12,901,408	408,927,859
Deduct:				
Cost of fixed assets retired less proceeds from sales	2,224,823	4,139,178	351,189	6,715,190
Transfer to the frequency standardization account (Note 1)	2,527,932	.....	.....	2,527,932
	4,752,755	4,139,178	351,189	9,243,122
Balances at December 31, 1964	300,659,755	86,474,763	12,550,219	399,684,737

Notes

1. The balance in accumulated depreciation at December 31, 1963 included a special allowance of $3,160,951 for estimated capital losses and other costs in connection with 25-cycle equipment to be retired or converted as a result of frequency standardization. Actual losses have been less than estimated and the portion of the special allowance no longer required, $2,527,932, has been transferred to the frequency standardization account. The balance of $633,019, has been retained in accumulated depreciation to absorb capital losses on 25-cycle equipment and related facilities still to be retired.

2. The depreciation shown in the Statement of Operations consists of the following amounts:

Direct provision in the year		$30,724,568
Interest	$9,525,964	
Less interest on administrative and service buildings and equipment	121,359	
		9,404,605
		$40,129,173

FREQUENCY STANDARDIZATION ACCOUNT

for the Year Ended December 31, 1964

	Former Southern Ontario System	Former Northern Ontario Properties	Total
	$	$	$
Balances at December 31, 1963	157,720,891	1,776,648	159,497,539
Add interest for year	5,849,034	69,842	5,918,876
	163,569,925	1,846,490	165,416,415
Deduct:			
Amortization charged to cost of power	18,471,551	970,978	19,442,529
Transfer from accumulated depreciation	2,527,932	.....	2,527,932
	20,999,483	970,978	21,970,461
Balances at December 31, 1964	142,570,442	875,512	143,445,954

EXCHANGE DISCOUNT (NET) ON FUNDED DEBT

for the Year Ended December 31, 1964

	Discount	Premium	Net Discount
	$	$	$
Exchange discount and premium on funded debt issued in United States funds:			
Balances at December 31, 1963	5,990,386	4,873,718	1,116,668
Less discount at time of issue on bonds redeemed during 1964	60,402	.....	60,402
Balances at December 31, 1964	5,929,984	4,873,718	1,056,266

FUNDED DEBT AS AT DECEMBER 31, 1964

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1964
PAYABLE IN CANADIAN FUNDS—*Guaranteed as to principal and interest by the Province of Ontario:*				
			%	$
Apr. 1, 1965	Apr. 1, 1964	Apr. 1, 1957	5	16,638,500
Dec. 15, 1965	Dec. 15, 1963	Dec. 15, 1948	3	42,475,000
Jan. 15, 1966	Jan. 15, 1964	Jan. 15, 1956	3¾	10,338,000
Mar. 1, 1966	Mar. 1, 1965	Mar. 1, 1958	4	32,126,000
May 1, 1966	May 1, 1964	May 1, 1951	3½	24,099,500
Jan. 15, 1967	Jan. 15, 1965	Jan. 15, 1952	4	35,044,000
Mar. 15, 1967	Mar. 15, 1964	Mar. 15, 1953	4¼	27,316,000
Apr. 1, 1967	Apr. 1, 1965	Apr. 1, 1949	3	41,164,500
Apr. 1, 1967	Apr. 1, 1964	Apr. 1, 1947	2¾	14,327,000
Nov 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼	15,972,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼	24,306,500
Jan. 15, 1968	Jan. 15, 1966	July 15, 1949	3	41,721,000
Apr. 15, 1968	Apr. 15, 1966	Apr. 15, 1952	4	35,066,000
Oct. 1, 1968	Oct. 1, 1965	Oct. 1, 1947	2¾	19,213,000
July 1, 1969	.....	July 1, 1959	5¾	12,209,500
July 15, 1969	July 15, 1966	July 15, 1953	4¼	28,681,500
July 15, 1969	July 15, 1966	July 15, 1953	4¼	20,670,000
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3	48,518,000
Jan. 1, 1970	.....	Jan. 1, 1930	4¾	9,482,000
Feb. 15, 1970	.....	Feb. 15, 1960	6	15,369,000
Apr. 1, 1970	Apr. 1, 1968	Apr. 1, 1950	3	52,546,000
June 15, 1970	.....	June 15, 1962	4½	12,652,500
July 15, 1970	.....	July 15, 1960	5¼	5,015,000
Oct. 15, 1970	Oct. 15, 1969	Oct. 15, 1958	4½	4,743,000
Feb. 1, 1971	.....	Feb. 1, 1964	5	15,999,500
Feb. 15, 1971	.....	Feb. 15, 1961	5¼	5,300,000
Mar. 1, 1971	.....	Mar. 1, 1963	5	13,500,000
June 1, 1971	June 1, 1961	June 1, 1946	2¾	18,035,000
Nov. 15, 1971	.....	Nov. 15, 1961	4¾	6,900,000
June 15, 1973	June 15, 1971	June 15, 1950	3	54,300,000
July 15, 1974	July 15, 1972	July 15, 1956	4	49,461,000
Oct. 15, 1974	Oct. 15, 1972	Oct. 15, 1956	4½	26,592,500
Aug. 15, 1975	Aug. 15, 1972	Feb. 15, 1957	4¾	35,441,500
Jan. 15, 1976	Jan. 15, 1974	Jan. 15, 1956	4	49,600,000
Nov. 15, 1976	Nov. 15, 1974	Nov. 15, 1957	5	35,605,000
Mar. 1, 1977	Mar. 1, 1975	Mar. 1, 1955	3½	39,200,000
Apr. 1, 1977	Apr. 1, 1974	Apr. 1, 1957	5	79,602,000
Mar. 1, 1978	Mar. 1, 1976	Mar. 1, 1958	4½	35,984,000
Oct. 15, 1978	Oct. 15, 1976	Oct. 15, 1958	5	49,145,000
May 15, 1979	May 15, 1974	May 15, 1954	3½	35,000,000
July 1, 1979	.....	July 1, 1959	5¾	36,164,000
Oct. 15, 1979	Oct. 15, 1974	Oct. 15, 1954	3½	49,975,000
Feb. 15, 1980	Feb. 15, 1978	Feb. 15, 1960	6	33,245,000
July 15, 1980	July 15, 1978	July 15, 1960	5½	42,970,500
Feb. 15, 1981	Feb. 15, 1979	Feb. 15, 1961	5½	43,995,500
June 15, 1982	June 15, 1979	June 15, 1962	5	36,351,000
Mar. 1, 1983	Mar. 1, 1980	Mar. 1, 1963	5¼	45,850,000
June 15, 1983	June 15, 1979	June 15, 1963	5	59,718,900
Nov. 15, 1983	Nov. 15, 1980	Nov. 15, 1961	5¼	42,800,000
Feb. 1, 1984	Feb. 1, 1981	Feb. 1, 1964	5¼	58,999,400
Oct. 1, 1984	Oct. 1, 1980	Oct. 1, 1964	5¼	65,000,000
				1,654,428,300

FUNDED DEBT AS AT DECEMBER 31, 1964—Concluded

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1964
PAYABLE IN UNITED STATES FUNDS—*Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario on behalf of the Commission:*				
			%	$
May 15, 1971	May 15, 1956	May 15, 1951	3¼	48,991,000
Sept. 1, 1972	Sept. 1, 1956	Sept. 1, 1951	3¼	42,750,000
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3¼	47,181,000
Nov. 1, 1978	Nov. 1, 1958	Nov. 1, 1953	3⅝	48,966,000
Mar. 15, 1980	Mar. 15, 1959	Mar. 15, 1954	3⅛	29,920,000
May 15, 1981	May 15, 1961	May 15, 1956	3⅞	44,390,000
Feb. 1, 1984	Feb. 1, 1969	Feb. 1, 1959	4¾	74,600,000
				336,798,000
Total funded debt (at par of exchange)				1,991,226,300

Summary of Changes in Funded Debt during the Year Ended December 31, 1964

Outstanding at December 31, 1963	$1,949,245,300
Less redemptions during year	98,019,000
	1,851,226,300
Add new bond issues during year	140,000,000
Outstanding at December 31, 1964	$1,991,226,300

ADVANCES FROM THE PROVINCE OF ONTARIO AS AT DECEMBER 31, 1964

Annuity bonds repayable to the Province in accordance with the terms of Province of Ontario bonds issued in part for the purposes of the Commission

Date of Maturity	Interest Rate	Balance of Advances Outstanding December 31, 1964 (*Payable in Canadian, United States, or Sterling Funds*)
	%	$
May 15, 1965–1968	4	2,092,111
May 15, 1965–1970	4½	2,661,112
Jan. 15, 1965–1971	4½	1,829,526
June 1, 1965–1971	4	2,519,908
Total advances (at par of exchange)		9,102,657

Summary of Changes in Advances from the Province of Ontario during the Year Ended December 31, 1964

Balance of advances at December 31, 1963	$10,685,726
Less repayments during year	1,583,069
Balance of advances at December 31, 1964	$ 9,102,657

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Acton	4,855.7	24,891.0	206,535	24,279	*9,619*	221,195
Ailsa Craig	405.9	1,823.2	18,231	2,030	*3,625*	16,636
Ajax	7,432.6	39,906.2	299,557	.....	.....	299,557
Alexandria	2,405.2	11,578.1	107,616	.....	*1,719*	105,897
Alfred	705.6	3,244.0	29,611	.....	.....	29,611
Alliston	2,928.7	16,473.2	137,577	.....	*3,400*	134,177
Almonte*	2,190.9	11,290.5	94,095	.....	.....	94,095
Alvinston	257.3	1,073.2	11,607	1,287	*3,209*	9,685
Amherstburg	3,600.8	21,060.7	160,088	18,004	*7,012*	171,080
Ancaster	2,380.7	12,166.4	98,827	11,904	*3,133*	107,598
Apple Hill	108.8	499.6	4,882	.....	*211*	4,671
Arkona	339.3	1,731.5	15,672	1,697	.....	17,369
Arnprior	4,824.1	23,976.0	206,636	.....	.....	206,636
Arthur	861.2	4,159.6	39,030	.....	*3,140*	35,890
Athens	534.9	2,617.4	23,690	.....	.....	23,690
Atikokan	4,082.6	24,552.7	183,970	.....	.....	183,970
Aurora	6,533.8	36,313.1	263,787	32,669	.....	296,456
Avonmore	185.3	837.6	8,034	.....	.....	8,034
Aylmer	4,407.2	21,947.6	176,815	22,036	*6,715*	192,136
Ayr	790.4	3,684.0	35,681	3,952	*1,879*	37,754
Baden	887.5	4,055.6	36,409	4,437	*5,190*	35,656
Bancroft*	1,381.6	6,148.3	61,698	.....	.....	61,698
Barrie	21,110.3	119,072.0	848,666	.....	*13,741*	834,925
Barry's Bay	498.3	2,336.4	22,750	.....	.....	22,750
Bath	401.8	1,885.0	17,743	.....	.....	17,743
Beachburg	382.2	1,702.8	16,191	.....	.....	16,191
Beachville	2,341.1	15,228.8	101,715	11,705	*8,793*	104,627
Beamsville	1,864.8	10,039.9	73,178	9,324	.....	82,502
Beaverton	1,480.0	7,600.3	64,573	.....	*1,931*	62,642
Beeton	517.5	2,568.8	25,760	.....	*3,161*	22,599
Belle River	810.9	4,195.2	37,805	4,054	*1,517*	40,342
Belleville	24,944.0	143,614.5	996,722	.....	.....	996,722
Belmont	1,079.3	5,083.2	45,795	5,396	*10*	51,181
Blenheim	1,692.9	8,660.0	74,863	8,464	*6,696*	76,631
Bloomfield	466.0	2,036.4	19,337	.....	.....	19,337
Blyth	745.4	3,895.2	34,353	3,727	*601*	37,479
Bobcaygeon	978.4	4,996.8	44,927	.....	.....	44,927
Bolton	1,335.6	7,349.0	61,352	6,678	*3,627*	64,403
Bothwell	458.9	2,216.0	20,385	2,295	*3,958*	18,722
Bowmanville	7,888.8	42,439.1	319,909	.....	.....	319,909

*See note 2, page 120.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
8,969	212,226	212,086.10	139.90	43.68	43.70	8.53
750	15,886	16,771.89	*885.89*	41.32	39.14	8.71
13,729	285,828	290,866.95	*5,038.95*	39.13	38.45	7.16
4,443	101,454	103,711.64	*2,257.64*	43.12	42.17	8.76
1,303	28,308	28,741.12	*433.12*	40.73	40.12	8.73
5,410	128,767	130,056.03	*1,289.03*	44.41	43.97	7.82
4,047	90,048	90,210.69	*162.69*	41.18	41.10	7.98
475	9,210	9,465.85	*255.85*	36.79	35.79	8.58
6,651	164,429	166,512.64	*2,083.64*	46.24	45.66	7.81
4,397	103,201	103,675.37	*474.37*	43.55	43.34	8.48
201	4,470	4,502.04	*32.04*	41.38	41.08	8.95
627	16,742	16,944.26	*202.26*	49.94	49.34	9.67
8,911	197,725	200,598.21	*2,873.21*	41.58	40.98	8.25
1,591	34,299	34,146.84	152.16	39.65	39.82	8.25
988	22,702	23,439.32	*737.32*	43.82	42.44	8.67
7,541	176,429	181,797.66	*5,368.66*	44.53	43.21	7.19
12,068	284,388	285,817.26	*1,429.26*	43.74	43.52	7.83
342	7,692	7,652.59	39.41	41.30	41.51	9.18
8,140	183,996	184,541.93	*545.93*	41.87	41.75	8.38
1,460	36,294	36,330.61	*36.61*	45.96	45.91	9.85
1,639	34,017	33,515.04	501.96	37.76	38.32	8.39
2,552	59,146	59,626.08	*480.08*	43.16	42.81	9.62
38,995	795,930	786,222.80	9,707.20	37.24	37.70	6.68
921	21,829	22,115.71	*286.71*	44.38	43.81	9.34
742	17,001	17,425.37	*424.37*	43.37	42.31	9.02
706	15,485	16,054.71	*569.71*	42.01	40.51	9.09
4,324	100,303	101,293.39	*990.39*	43.27	42.84	6.59
3,444	79,058	80,794.29	*1,736.29*	43.33	42.39	7.87
2,734	59,908	57,065.49	2,842.51	38.56	40.48	7.88
956	21,643	21,936.77	*293.77*	42.39	41.82	8.43
1,498	38,844	39,441.14	*597.14*	48.64	47.90	9.26
46,075	950,647	956,430.48	*5,783.48*	38.34	38.11	6.62
1,993	49,188	49,317.74	*129.74*	45.69	45.58	9.68
3,127	73,504	73,111.76	392.24	43.19	43.41	8.49
861	18,476	18,589.75	*113.75*	39.89	39.65	9.07
1,377	36,102	36,657.42	*555.42*	49.18	48.43	9.27
1,807	43,120	43,026.19	93.81	43.98	44.07	8.63
2,467	61,936	63,856.69	*1,920.69*	47.81	46.37	8.43
847	17,875	18,510.94	*635.94*	40.34	38.95	8.07
14,572	305,337	303,152.87	2,184.13	38.43	38.70	7.19

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Bracebridge*	468.7	1,550.3	17,826	.....	.....	17,826
Bradford	1,970.3	10,348.8	88,057	.....	*3,057*	85,000
Braeside	1,742.5	7,274.7	66,589	.....	.....	66,589
Brampton	24,064.2	128,937.7	950,142	120,321	*26,404*	1,044,059
Brantford	48,825.6	278,763.3	1,928,920	244,128	*144,460*	2,028,588
Brantford Twp.	7,120.7	37,353.0	290,196	35,603	*454*	325,345
Brechin	150.6	712.6	6,883	.....	*781*	6,102
Bridgeport	996.7	5,200.0	42,397	4,984	.....	47,381
Brigden	259.7	1,185.2	11,814	1,298	*2,203*	10,909
Brighton	1,732.2	9,082.0	72,043	.....	.....	72,043
Brockville	18,238.4	99,935.6	711,968	.....	*22,257*	689,711
Brussels	661.5	3,251.2	30,278	3,307	*836*	32,749
Burford	850.3	3,930.5	35,449	4,252	*2,094*	37,607
Burgessville	220.1	846.0	8,939	1,100	*983*	9,056
Burk's Falls	706.0	3,882.2	33,201	.....	.....	33,201
Burlington	39,017.2	217,737.5	1,580,895	195,086	*239*	1,775,742
Cache Bay	567.9	1,774.6	22,813	.....	.....	22,813
Caledonia	1,126.5	5,909.6	48,063	5,633	*3,115*	50,581
Campbellford*	1,265.1	3,753.3	43,257	.....	.....	43,257
Campbellville	155.7	747.2	6,807	778	*35*	7,550
Cannington	698.5	3,616.0	32,570	.....	*1,360*	31,210
Capreol	1,996.3	10,975.8	90,244	.....	.....	90,244
Cardinal	922.2	4,687.4	41,027	.....	.....	41,027
Carleton Place	3,345.0	18,967.2	156,801	.....	*2,872*	153,929
Casselman	906.2	3,412.8	39,110	.....	.....	39,110
Cayuga	522.0	2,666.4	23,638	2,610	.....	26,248
Chalk River	542.5	2,946.5	23,278	.....	.....	23,278
Chatham	24,663.1	130,692.2	954,554	123,316	*69,672*	1,008,198
Chatsworth	284.6	1,328.0	12,329	.....	*499*	11,830
Chesley	1,343.1	6,160.2	58,894	.....	*4,521*	54,373
Chesterville	1,664.6	7,848.0	74,992	.....	*4,548*	70,444
Chippawa	1,493.0	7,660.7	61,726	7,465	*1,960*	67,231
Clifford	381.3	1,944.8	17,494	1,906	*586*	18,814
Clinton	2,450.5	12,957.0	104,808	12,253	*8,022*	109,039
Cobden	715.2	3,322.8	29,012	.....	.....	29,012
Cobourg	11,890.9	64,763.4	478,416	.....	*7*	478,409
Cochrane	3,315.3	16,760.9	119,859	.....	.....	119,859
Colborne	1,021.1	5,484.0	47,854	.....	.....	47,854
Coldwater	530.6	2,533.8	23,765	.....	*1,158*	22,607
Collingwood	6,870.3	36,123.9	293,872	.....	*17,181*	276,691

*See note 2, page 120.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
866	16,960	18,141.34	*1,181.34*	38.71	36.18	10.94
3,639	81,361	81,864.65	*503.65*	41.55	41.29	7.86
3,219	63,370	64,107.14	*737.14*	36.79	36.36	8.71
44,449	999,610	999,658.89	*48.89*	41.54	41.53	7.75
90,186	1,938,402	1,923,620.51	14,781.49	39.40	39.70	6.95
13,153	312,192	318,157.51	*5,965.51*	44.68	43.84	8.36
278	5,824	5,694.79	129.21	37.81	38.66	8.17
1,841	45,540	44,978.64	561.36	45.13	45.69	8.76
480	10,429	10,648.06	*219.06*	41.00	40.16	8.80
3,200	68,843	69,410.35	*567.35*	40.07	39.74	7.58
33,688	656,023	660,192.99	*4,169.99*	36.20	35.97	6.56
1,222	31,527	32,010.53	*483.53*	48.39	47.66	9.70
1,571	36,036	36,360.26	*324.26*	42.76	42.38	9.17
407	8,649	8,860.43	*211.43*	40.26	39.29	10.22
1,304	31,897	31,164.24	732.76	44.14	45.18	8.22
72,069	1,703,673	1,716,058.52	*12,385.52*	43.98	43.67	7.82
1,049	21,764	21,524.47	239.53	37.90	38.32	12.26
2,081	48,500	49,426.20	*926.20*	43.88	43.05	8.21
2,337	40,920	45,688.50	*4,768.50*	36.11	32.34	10.90
288	7,262	7,268.95	*6.95*	46.69	46.65	9.72
1,290	29,920	28,603.45	1,316.55	40.95	42.83	8.27
3,687	86,557	85,957.00	600.00	43.06	43.36	7.89
1,703	39,324	39,463.44	*139.44*	42.79	42.64	8.39
6,179	147,750	148,134.20	*384.20*	44.28	44.17	7.79
1,674	37,436	38,802.50	*1,366.50*	42.82	41.31	10.97
964	25,284	25,239.52	44.48	48.35	48.43	9.48
1,002	22,276	22,385.61	*109.61*	41.26	41.06	7.56
45,556	962,642	950,889.08	11,752.92	38.56	39.03	7.37
526	11,304	11,461.05	*157.05*	40.27	39.72	8.51
2,481	51,892	51,157.00	735.00	38.09	38.63	8.42
3,075	67,369	69,003.82	*1,634.82*	41.45	40.47	8.58
2,758	64,473	66,377.17	*1,904.17*	44.46	43.18	8.42
704	18,110	18,577.93	*467.93*	48.72	47.49	9.31
4,526	104,513	106,135.54	*1,622.54*	43.31	42.65	8.07
1,321	27,691	27,809.89	*118.89*	38.88	38.71	8.33
21,964	456,445	456,863.82	*418.82*	38.42	38.38	7.05
6,124	113,735	116,942.70	*3,207.70*	35.27	34.30	6.79
1,886	45,968	46,186.75	*218.75*	45.23	45.02	8.38
980	21,627	21,736.29	*109.29*	40.97	40.76	8.54
12,690	264,001	261,705.36	2,295.64	38.09	38.42	7.31

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Comber	342.5	1,533.6	15,429	1,712	*3,589*	13,552
Coniston	1,196.7	6,271.0	48,975	.....	.....	48,975
Cookstown	408.7	1,905.2	18,384	.....	*809*	17,575
Cottam	282.7	1,339.6	12,233	1,414	.....	13,647
Courtright	212.7	972.2	9,351	1,063	*896*	9,518
Creemore	543.6	2,678.4	23,819	.....	*1,383*	22,436
Dashwood	331.1	1,515.2	15,043	1,656	*1,487*	15,212
Deep River	3,931.2	21,541.2	161,686	.....	*1*	161,685
Delaware	243.3	1,115.4	10,720	1,216	*401*	11,535
Delhi	2,769.3	13,731.8	115,093	13,847	.....	128,940
Deseronto	1,110.0	5,808.0	51,772	.....	.....	51,772
Dorchester	491.6	2,307.4	20,707	2,458	*1,139*	22,026
Drayton	451.9	2,046.4	19,630	2,259	*2,129*	19,760
Dresden	1,784.4	9,304.6	79,680	8,922	*4,718*	83,884
Drumbo	249.6	1,032.0	11,153	1,248	*789*	11,612
Dryden	3,605.9	21,903.8	162,982	.....	.....	162,982
Dublin	346.6	1,520.8	14,546	1,733	*993*	15,286
Dundalk	699.7	3,375.2	33,638	.....	*1,287*	32,351
Dundas	10,045.7	52,027.4	387,413	50,229	*27,714*	409,928
Dunnville	3,958.4	21,436.0	171,393	19,792	*9,889*	181,296
Durham	1,902.0	9,184.2	84,831	.....	*3,641*	81,190
Dutton	414.1	2,086.9	20,870	2,070	*3,373*	19,567
East York Twp.	37,830.4	219,356.6	1,508,036	189,152	.....	1,697,188
Eganville *	679.4	3,426.5	30,145	.....	.....	30,145
Elmira	4,915.3	24,890.8	188,403	24,577	*13,119*	199,861
Elmvale	726.4	3,777.6	33,335	.....	*2,019*	31,316
Elmwood	208.0	769.0	9,378	.....	*601*	8,777
Elora	899.7	4,487.6	40,808	4,498	*6,529*	38,777
Embro	419.6	2,113.6	18,749	2,098	*1,726*	19,121
Erieau	463.5	2,428.0	21,054	2,318	*135*	23,237
Erie Beach	74.5	280.2	3,209	372	.....	3,581
Erin	678.8	3,431.4	30,806	.....	.....	30,806
Espanola	2,783.5	15,525.1	114,826	.....	.....	114,826
Essex	1,928.7	10,376.7	82,015	9,644	*4,740*	86,919
Etobicoke Twp.	155,977.2	942,361.0	6,335,524	779,886	*19,862*	7,095,548
Exeter	2,471.4	12,870.4	113,962	12,357	*7,058*	119,261
Fergus	4,021.6	19,422.8	167,439	20,108	*6,567*	180,980
Finch	310.9	1,269.4	13,666	.....	.....	13,666
Flesherton	424.0	1,813.8	17,362	.....	*755*	16,607
Fonthill	1,275.8	6,633.0	54,573	6,379	.....	60,952

*See note 2, page 120.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
633	12,919	13,240.54	*321.54*	38.66	37.72	8.42
2,210	46,765	46,735.89	29.11	39.05	39.08	7.46
755	16,820	16,769.80	50.20	41.03	41.15	8.83
522	13,125	13,387.50	*262.50*	47.36	46.42	9.80
393	9,125	9,063.08	61.92	42.61	42.90	9.39
1,004	21,432	21,373.77	58.23	39.32	39.43	8.00
612	14,600	14,521.18	78.82	43.86	44.09	9.64
7,261	154,424	155,824.97	*1,400.97*	39.64	39.28	7.17
449	11,086	11,182.73	*96.73*	45.96	45.56	9.94
5,115	123,825	126,217.56	*2,392.56*	45.58	44.71	9.02
2,050	49,722	50,339.92	*617.92*	45.35	44.79	8.56
908	21,118	21,543.51	*425.51*	43.82	42.95	9.15
835	18,925	19,407.25	*482.25*	42.95	41.88	9.25
3,296	80,588	80,472.98	115.02	45.10	45.16	8.66
461	11,151	11,454.34	*303.34*	45.89	44.67	10.81
6,661	156,321	159,137.82	*2,816.82*	44.13	43.35	7.14
640	14,646	14,921.94	*275.94*	43.05	42.26	9.63
1,292	31,059	31,253.57	*194.57*	44.67	44.38	9.20
18,556	391,372	398,764.00	*7,392.00*	39.69	38.96	7.52
7,312	173,984	178,295.14	*4,311.14*	45.04	43.95	8.12
3,513	77,677	76,454.56	1,222.44	40.20	40.84	8.46
765	18,802	18,886.22	*84.22*	45.61	45.40	9.01
69,877	1,627,311	1,633,016.52	*5,705.52*	43.17	43.01	7.42
1,255	28,890	28,987.75	*97.75*	42.67	42.52	8.43
9,079	190,782	194,052.66	*3,270.66*	39.48	38.81	7.66
1,342	29,974	29,863.91	110.09	41.11	41.26	7.93
384	8,393	8,780.73	*387.73*	42.22	40.35	10.91
1,662	37,115	37,835.11	*720.11*	42.05	41.25	8.27
775	18,346	18,411.43	*65.43*	43.88	43.72	8.68
856	22,381	22,671.83	*290.83*	48.91	48.28	9.22
138	3,443	3,470.56	*27.56*	46.58	46.22	12.29
1,254	29,552	29,480.33	71.67	43.43	43.53	8.61
5,141	109,685	107,168.85	2,516.15	38.50	39.40	7.07
3,563	83,356	83,260.84	95.16	43.17	43.21	8.03
288,108	6,807,440	6,812,527.23	*5,087.23*	43.68	43.64	7.22
4,565	114,696	114,370.38	325.62	46.28	46.40	8.91
7,428	173,552	172,577.58	974.42	42.91	43.15	8.94
574	13,092	13,514.23	*422.23*	43.47	42.11	10.31
783	15,824	16,022.22	*198.22*	37.79	37.32	8.72
2,357	58,595	59,546.01	*951.01*	46.67	45.93	8.83

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Forest	1,525.6	8,956.0	71,096	7,628	*4,382*	74,342
Forest Hill	16,396.9	81,498.0	621,280	81,984	*8,225*	695,039
Fort William	37,408.8	230,836.0	1,521,748	.....	.....	1,521,748
Frankford	915.3	4,976.9	39,309	.....	.....	39,309
Galt	28,478.8	155,341.8	1,104,245	142,394	*94,978*	1,151,661
Georgetown	8,944.6	50,859.0	372,147	44,723	*15,068*	401,802
Glencoe	705.9	3,472.2	32,481	3,530	*3,242*	32,769
Goderich	6,673.3	34,760.3	287,367	33,366	*21,322*	299,411
Grand Bend	835.9	3,991.8	37,722	4,180	*18*	41,884
Grand Valley	509.5	2,356.2	23,869	.....	*1,635*	22,234
Granton	125.0	600.0	5,606	625	*1,521*	4,710
Gravenhurst	2,514.8	13,701.6	111,505	.....	*2,063*	109,442
Grimsby	3,441.3	19,092.8	150,882	17,206	.....	168,088
Guelph	38,935.5	223,891.6	1,527,572	194,677	*111,352*	1,610,897
Hagersville	1,617.5	7,051.2	69,160	8,088	*16,678*	60,570
Hamilton	422,423.6	2,805,314.1	17,461,949	1,847,952	*465,102*	18,844,799
Hanover	5,271.1	22,695.4	204,819	.....	*13,201*	191,618
Harriston	1,505.2	7,987.8	61,203	7,526	*6,054*	62,675
Harrow	1,433.7	7,497.6	65,476	7,168	*2,267*	70,377
Hastings	563.0	2,921.6	24,655	.....	.....	24,655
Havelock	650.3	3,347.2	29,128	.....	.....	29,128
Hawkesbury	4,453.2	23,099.6	171,717	.....	.....	171,717
Hearst	1,630.2	8,277.9	72,031	.....	.....	72,031
Hensall	908.9	4,460.8	39,928	4,544	*2,249*	42,223
Hespeler	6,208.0	31,776.9	245,088	31,040	*13,905*	262,223
Highgate	216.4	830.5	9,445	1,082	*1,752*	8,775
Holstein	130.5	546.8	5,838	.....	*387*	5,451
Huntsville	2,688.1	15,454.0	121,074	.....	*7,995*	113,079
Ingersoll	6,052.0	31,521.4	255,261	30,260	*29,985*	255,536
Iroquois	881.1	4,425.6	36,940	.....	.....	36,940
Jarvis	395.4	1,842.4	17,612	1,977	*1,633*	17,956
Kapuskasing	4,365.9	21,168.0	172,681	.....	.....	172,681
Kemptville	1,938.7	9,987.6	89,542	.....	*385*	89,157
Killaloe Station	383.0	1,772.4	17,118	.....	*1*	17,117
Kincardine	2,311.6	12,021.6	105,867	.....	*243*	105,624
King City	1,156.0	6,025.1	50,472	5,780	*25*	56,227
Kingston	53,003.6	301,473.9	2,081,604	.....	*38*	2,081,566
Kingsville	2,234.1	11,280.5	91,399	11,171	*6,579*	95,991
Kirkfield	110.5	503.4	5,066	.....	*29*	5,037
Kitchener	82,767.1	453,300.5	2,999,325	413,835	*193,517*	3,219,643

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
2,818	71,524	73,678.91	*2,154.91*	48.30	46.88	7.99
30,287	664,752	680,895.89	*16,143.89*	41.53	40.54	8.16
125,211	1,396,537	1,422,868.83	*26,331.83*	38.04	37.33	6.05
1,691	37,618	36,964.80	653.20	40.39	41.10	7.56
52,604	1,099,057	1,089,613.68	9,443.32	38.26	38.58	7.08
16,522	385,280	393,389.34	*8,109.34*	43.98	43.08	7.58
1,304	31,465	31,733.22	*268.22*	44.95	44.57	9.06
12,326	287,085	289,646.86	*2,561.86*	43.40	43.01	8.26
1,544	40,340	40,800.27	*460.27*	48.81	48.26	10.11
941	21,293	21,564.20	*271.20*	42.32	41.79	9.04
231	4,479	4,333.08	145.92	34.67	35.83	7.47
4,645	104,797	104,578.87	218.13	41.59	41.67	7.65
6,356	161,732	162,059.72	*327.72*	47.09	46.99	8.47
71,918	1,538,979	1,503,472.12	35,506.88	38.61	39.52	6.87
2,988	57,582	62,349.47	*4,767.47*	38.55	35.60	8.17
780,263	18,064,536	18,028,559.84	35,976.16	42.68	42.76	6.44
9,736	181,882	188,319.58	*6,437.58*	35.73	34.51	8.01
2,780	59,895	61,620.28	*1,725.28*	40.94	39.79	7.50
2,648	67,729	68,182.01	*453.01*	47.56	47.24	9.03
1,040	23,615	23,561.77	53.23	41.85	41.94	8.08
1,201	27,927	27,993.60	*66.60*	43.05	42.94	8.34
8,226	163,491	173,631.04	*10,140.04*	38.99	36.71	7.08
3,011	69,020	68,411.94	603.06	41.97	42.34	8.34
1,679	40,544	41,101.94	*557.94*	45.22	44.61	9.09
11,467	250,756	251,997.17	*1,241.17*	40.59	40.39	7.89
400	8,375	8,517.98	*142.98*	39.36	38.70	10.08
241	5,210	5,314.94	*104.94*	40.73	39.92	9.53
4,965	108,114	110,344.34	*2,230.34*	41.05	40.22	7.00
11,179	244,357	251,636.67	*7,279.67*	41.58	40.38	7.75
1,627	35,313	35,491.84	*178.84*	40.28	40.07	7.98
730	17,226	17,560.03	*334.03*	44.41	43.56	9.35
8,064	164,617	161,883.45	2,733.55	37.08	37.70	7.78
3,581	85,576	86,206.61	*630.61*	44.47	44.14	8.57
707	16,410	17,032.38	*622.38*	44.47	42.84	9.26
4,270	101,354	103,414.21	*2,060.21*	44.74	43.84	8.43
2,135	54,092	54,179.29	*87.29*	46.87	46.79	8.93
97,904	1,983,662	2,013,503.22	*29,841.22*	37.99	37.42	6.58
4,127	91,864	91,563.54	300.46	40.98	41.12	8.14
204	4,833	4,691.30	141.70	42.46	43.74	9.60
152,880	3,066,763	3,019,845.44	46,917.56	36.49	37.05	6.77

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Lakefield	1,576.3	8,203.2	67,866	.....	.....	67,866
Lambeth	1,142.0	5,486.6	49,599	5,710	*1,405*	53,904
Lanark	425.1	2,077.6	18,898	.....	*112*	18,786
Lancaster	315.5	1,624.5	14,348	.....	*215*	14,133
Larder Lake Twp.	868.7	4,581.0	42,243	.....	.....	42,243
Latchford	168.5	834.4	7,779	.....	.....	7,779
Leamington	7,428.1	40,994.3	314,907	37,141	*7,793*	344,255
Lindsay	9,920.0	59,010.0	449,008	.....	.....	449,008
Listowel	4,020.1	20,655.8	168,318	20,100	*10,656*	177,762
London	132,450.2	775,851.2	5,299,462	662,251	*390,199*	5,571,514
Long Branch	7,543.6	40,938.0	306,778	37,718	.....	344,496
L'Orignal	594.9	3,060.0	24,650	.....	.....	24,650
Lucan	637.9	3,156.0	29,810	3,190	*3,236*	29,764
Lucknow	1,028.8	4,484.8	45,583	.....	*88*	45,495
Lynden	358.2	1,844.0	15,971	1,791	*3,379*	14,383
Madoc	1,053.6	5,328.0	48,590	.....	.....	48,590
Magnetawan	109.9	492.6	5,038	.....	.....	5,038
Markdale	828.0	4,120.2	36,148	.....	*1,086*	35,062
Markham	4,039.7	21,001.2	168,958	20,198	*3,182*	185,974
Marmora	770.8	4,058.4	35,791	.....	.....	35,791
Martintown	159.3	711.9	6,901	.....	*115*	6,786
Massey	521.6	2,823.6	25,299	.....	.....	25,299
Maxville	640.0	2,744.3	30,688	.....	*444*	30,244
McGarry Twp.	880.3	4,232.4	38,377	.....	.....	38,377
Meaford	3,156.4	17,738.1	149,371	.....	*153*	149,218
Merlin	358.8	1,807.8	16,094	1,794	*2,775*	15,113
Merrickville	511.3	2,634.4	23,008	.....	.....	23,008
Midland	9,550.3	50,508.8	394,443	.....	*32,034*	362,409
Mildmay	519.4	2,555.2	22,875	.....	.....	22,875
Millbrook	492.7	2,382.3	23,674	.....	.....	23,674
Milton	4,698.4	26,643.6	203,486	23,492	*22,919*	204,059
Milverton	1,034.5	4,586.2	46,275	5,173	*10,676*	40,772
Mimico	9,318.8	52,151.2	372,568	46,594	*20,736*	398,426
Mitchell	2,218.9	11,284.1	94,075	11,094	*6,801*	98,368
Moorefield	374.4	1,595.2	15,744	1,872	*1,307*	16,309
Morrisburg	1,407.8	7,299.6	59,264	.....	.....	59,264
Mount Brydges	430.9	2,060.4	18,577	2,154	*846*	19,885
Mount Forest	2,217.2	10,847.0	95,552	.....	*3,560*	91,992
Napanee	3,708.6	18,443.3	163,614	.....	.....	163,614
Nepean Twp.	12,458.1	69,165.5	516,826	.....	.....	516,826

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
2,912	64,954	65,772.70	*818.70*	41.73	41.20	7.92
2,109	51,795	51,953.93	*158.93*	45.49	45.35	9.44
785	18,001	18,206.43	*205.43*	42.83	42.35	8.66
583	13,550	13,586.16	*36.16*	43.06	42.95	8.34
1,605	40,638	40,074.37	563.63	46.13	46.78	8.87
311	7,468	7,361.63	106.37	43.69	44.32	8.95
13,721	330,534	336,594.21	*6,060.21*	45.31	44.49	8.06
18,323	430,685	429,003.95	1,681.05	43.25	43.41	7.30
7,426	170,336	172,597.00	*2,261.00*	42.93	42.37	8.25
244,651	5,326,863	5,297,656.31	29,206.69	40.00	40.21	6.87
13,934	330,562	338,702.43	*8,140.43*	44.90	43.82	8.07
1,099	23,551	23,618.39	*67.39*	39.70	39.59	7.70
1,178	28,586	28,422.79	163.21	44.56	44.81	9.06
1,900	43,595	44,953.78	*1,358.78*	43.70	42.37	9.72
662	13,721	13,629.82	91.18	38.05	38.31	7.44
1,946	46,644	47,297.25	*653.25*	44.89	44.27	8.75
203	4,835	4,781.36	53.64	43.51	43.99	9.82
1,529	33,533	33,040.68	492.32	39.90	40.50	8.14
7,462	178,512	179,350.42	*838.42*	44.40	44.18	8.50
1,424	34,367	34,305.21	61.79	44.51	44.58	8.47
294	6,492	6,422.68	69.32	40.32	40.75	9.12
964	24,335	24,424.89	*89.89*	46.83	46.65	8.62
1,182	29,062	29,508.56	*446.56*	46.11	45.41	10.59
1,626	36,751	37,023.35	*272.35*	42.06	41.75	8.68
5,830	143,388	142,103.69	1,284.31	45.02	45.42	8.08
663	14,450	14,773.26	*323.26*	41.17	40.28	7.99
944	22,064	21,880.09	183.91	42.79	43.15	8.38
17,640	344,769	352,449.70	*7,680.70*	36.90	36.10	6.83
959	21,916	21,532.75	383.25	41.46	42.19	8.58
910	22,764	23,129.11	*365.11*	46.94	46.20	9.56
8,678	195,381	196,773.32	*1,392.32*	41.88	41.58	7.33
1,911	38,861	40,677.15	*1,816.15*	39.32	37.56	8.47
17,213	381,213	384,189.80	*2,976.80*	41.23	40.90	7.31
4,099	94,269	94,860.59	*591.59*	42.75	42.48	8.35
692	15,617	15,645.58	*28.58*	41.79	41.71	9.79
2,600	56,664	56,706.77	*42.77*	40.28	40.25	7.76
796	19,089	18,915.97	173.03	43.90	44.30	9.26
4,095	87,897	89,129.46	*1,232.46*	40.20	39.64	8.10
6,850	156,764	160,125.48	*3,361.48*	43.18	42.27	8.50
23,012	493,814	452,358.67	41,455.33	36.31	39.64	7.14

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Neustadt	389.4	1,603.6	16,054	.....	*1,969*	14,085
Newboro	123.9	563.5	5,253	.....	.....	5,253
Newburgh	300.1	1,373.9	13,571	.....	.....	13,571
Newbury	130.7	631.0	5,836	654	*845*	5,645
Newcastle	999.7	5,125.6	41,487	.....	.....	41,487
New Hamburg	1,598.1	8,421.6	71,876	7,991	*8,307*	71,560
Newmarket	7,237.1	39,600.8	293,841	36,185	*11*	330,015
New Toronto	31,177.0	188,085.3	1,283,280	155,885	*54,284*	1,384,881
Niagara	1,665.0	9,285.7	71,111	8,325	*4,384*	75,052
Niagara Falls	35,167.2	207,896.8	1,410.991	175,836	*104,296*	1,482,531
Nipigon Twp.	1,626.7	10,019.1	70,315	.....	.....	70,315
North Bay	16,129.1	94,469.9	678,189	.....	.....	678,189
North York Twp.	231,572.2	1,339,764.5	9,148,943	1,157,861	*4,840*	10,301,964
Norwich	894.1	4,760.0	41,659	4,471	*7,896*	38,234
Norwood	671.0	3,392.0	30,084	.....	.....	30,084
Oakville	70,264.0	485,611.5	2,988,291	351,320	*33*	3,339,578
Oil Springs	332.4	2,163.6	16,460	1,662	*6,235*	11,887
Omemee	464.6	2,392.3	22,344	.....	.....	22,344
Orangeville	3,838.6	20,219.3	175,014	.....	*4,436*	170,578
Orillia *	7,079.0	43,948.8	343,532	.....	.....	343,532
Orono	645.6	3,469.4	28,784	.....	.....	28,784
Oshawa	85,483.1	472,993.1	3,295,653	.....	.....	3,295,653
Ottawa *	201,059.4	1,121,102.5	7,869,744	.....	*722*	7,869,022
Otterville	396.0	1,856.0	16,759	1,980	*1,260*	17,479
Owen Sound	12,901.7	72,868.2	531,502	.....	*18,070*	513,432
Paisley	527.8	2,491.4	22,673	.....	*72*	22,601
Palmerston	1,165.2	6,502.9	45,904	5,826	*6,613*	45,117
Paris	4,325.8	23,597.3	172,981	21,629	*19,699*	174,911
Parkhill	966.8	4,756.8	44,275	4,834	*3,103*	46,006
Parry Sound *	2,774.9	17,644.3	130,457	.....	.....	130,457
Penetanguishene	2,697.7	15,999.4	119,136	.....	*5,049*	114,087
Perth	4,938.6	25,570.1	207,202	.....	*1,677*	205,525
Peterborough	46,160.3	275,739.7	1,876,340	.....	.....	1,876,340
Petrolia	2,249.2	10,655.2	101,650	11,246	*19,804*	93,092
Petrolia Waterworks	159.3	856.6	7,007	797	.....	7,804
Pickering	983.4	5,131.4	42,075	.....	.....	42,075
Picton	4,112.7	22,259.7	178.869	.....	.....	178,869
Plantagenet	406.3	1,815.7	18,140	.....	.....	18,140
Plattsville	742.7	3,212.4	31,076	3,713	*1,305*	33,484
Point Edward	5,653.5	27,864.1	221,941	28,267	*6,391*	243,817

*See note 2, page 120.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
719	13,366	13,683.02	*317.02*	35.14	34.33	8.33
229	5,024	4,989.36	34.64	40.27	40.55	8.92
554	13,017	13,288.90	*271.90*	44.28	43.37	9.47
241	5,404	5,637.26	*233.26*	43.13	41.33	8.56
1,847	39,640	39,349.69	290.31	39.36	39.65	7.73
2,952	68,608	67,900.93	707.07	42.49	42.93	8.15
13,368	316,647	319,069.87	*2,422.87*	44.09	43.75	8.00
57,587	1,327,294	1,315,817.40	11,476.60	42.20	42.57	7.06
3,075	71,977	73,070.44	*1,093.44*	43.89	43.23	7.75
64,958	1,417,573	1,415,953.92	1,619.08	40.26	40.30	6.82
5,445	64,870	65,184.91	*314.91*	40.07	39.88	6.47
29,792	648,397	627,417.07	20,979.93	38.90	40.20	6.86
427,740	9,874,224	9,886,272.84	*12,048.84*	42.69	42.64	7.37
1,652	36,582	39,830.78	*3,248.78*	44.55	40.91	7.69
1,239	28,845	28,651.08	193.92	42.70	42.98	8.50
129,786	3,209,792	3,130,215.34	79,576.66	44.55	45.68	6.61
614	11,273	12,244.23	*971.23*	36.84	33.91	5.21
858	21,486	21,502.01	*16.01*	46.28	46.24	8.98
7,090	163,488	167,540.26	*4,052.26*	43.65	42.58	8.09
13,076	330,456	322,250.37	8,205.63	45.52	46.68	7.52
1,192	27,592	26,806.85	785.15	41.52	42.73	7.95
157,897	3,137,756	3,159,701.67	*21,945.67*	36.96	36.70	6.63
371,380	7,497,642	7,493,111.20	4,530.80	37.27	37.29	6.69
731	16,748	17,155.25	*407.25*	43.32	42.29	9.02
23,831	489,601	492,064.09	*2,463.09*	38.14	37.95	6.72
975	21,626	21,875.72	*249.72*	41.45	40.97	8.68
2,152	42,965	43,213.53	*248.53*	37.09	36.87	6.61
7,990	166,921	162,916.31	4,004.69	37.66	38.59	7.07
1,786	44,220	45,075.21	*855.21*	46.62	45.74	9.30
5,126	125,331	126,938.34	*1,607.34*	45.75	45.16	7.10
4,983	109,104	109,729.30	*625.30*	40.68	40.44	6.82
9,122	196,403	197,619.12	*1,216.12*	40.02	39.77	7.68
85,263	1,791,077	1,823,910.49	*32,833.49*	39.51	38.80	6.50
4,155	88,937	94,751.27	*5,814.27*	42.13	39.54	8.35
294	7,510	7,486.00	24.00	46.99	47.14	8.77
1,816	40,259	40,458.52	*199.52*	41.14	40.94	7.85
7,597	171,272	172,829.65	*1,557.65*	42.02	41.64	7.69
750	17,390	16,421.56	968.44	40.42	42.80	9.58
1,372	32,112	32,675.07	*563.07*	43.99	43.23	10.00
10,443	233,374	225,810.81	7,563.19	39.94	41.28	8.38

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Port Arthur*	45,811.3	245,843.3	1,786,638	.....	.....	1,786,638
Port Burwell	270.4	1,303.2	12,260	1,352	*52*	13,560
Port Colborne	11,705.7	76,399.3	485,973	58,529	*10,571*	533,931
Port Credit	14,133.3	103,356.4	617,573	70,666	*4,552*	683,687
Port Dover	2,340.6	13,015.8	99,195	11,703	*3,057*	107,841
Port Elgin	1,626.2	9,334.6	79,004	.....	.....	79,004
Port Hope	8,015.2	40,914.6	310,848	.....	.....	310,848
Port McNicoll	1,029.5	4,556.0	43,159	.....	*591*	42,568
Port Perry	1,607.3	8,287.2	73,236	.....	*100*	73,136
Port Rowan	316.5	1,642.8	14,236	1,583	.....	15,819
Port Stanley	1,075.2	5,725.8	51,064	5,376	*5,479*	50,961
Prescott	3,727.7	18,581.2	163,993	.....	*4,361*	159,632
Preston	9,872.8	53,621.7	390,205	49,364	*44,417*	395,152
Priceville	51.6	221.6	2,282	.....	*12*	2,270
Princeton	298.4	1,370.4	13,138	1,492	*954*	13,676
Queenston	370.7	1,991.8	15,484	1,854	*1,200*	16,138
Rainy River	594.2	3,020.4	28,585	.....	.....	28,585
Red Rock	899.8	4,455.6	36,158	.....	.....	36,158
Renfrew*	4,897.7	24,743.5	201,316	.....	.....	201,316
Richmond	786.9	4,199.4	32,423	.....	.....	32,423
Richmond Hill	11,339.2	62,810.6	457,354	56,696	.....	514,050
Ridgetown	1,664.7	8,174.7	75,903	8,323	*6,654*	77,572
Ripley	361.9	1,712.0	16,419	.....	*44*	16,375
Riverside	7,538.2	39,182.9	310,745	37,691	*7,283*	341,153
Rockland	1,441.2	7,073.0	58,975	.....	.....	58,975
Rockwood	427.2	2,113.6	18,335	2,136	*1,567*	18,904
Rodney	535.8	2,630.4	23,966	2,679	*1,853*	24,792
Rosseau	142.8	610.8	6,423	.....	.....	6,423
Russell	359.6	1,764.6	14,776	.....	.....	14,776
St. Catharines	93,829.2	556,610.2	3,734,076	469,146	*103,974*	4,099,248
St. Clair Beach	636.7	3,298.7	27,357	3,184	*1,051*	29,490
St. George	566.6	2,898.1	24,837	2,833	*2,031*	25,639
St. Jacobs	567.6	2,564.0	26,047	2,838	*1,045*	27,840
St. Mary's	12,580.2	87,087.4	536,552	62,901	*18,277*	581,176
St. Thomas	18,723.0	105,381.4	739,173	93,615	*74,636*	758,152
Sandwich East Twp.	8,219.1	45,585.4	333,075	41,096	*160*	374,011
Sandwich West Twp.	16,029.2	86,951.4	665,982	80,146	.....	746,128
Sarnia	118,544.1	925,145.5	5,241,299	592,720	*94,253*	5,739,766
Scarborough Twp.	165,360.0	913,417.9	6,528,783	826,800	*18,611*	7,336,972
Schreiber Twp.	1,462.5	8,404.8	62,729	.....	.....	62,729

*See note 2, page 120.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
153,336	1,633,302	1,650,486.30	*17,184.30*	36.03	35.65	6.64
499	13,061	13,143.49	*82.49*	48.61	48.30	10.02
21,622	512,309	481,974.20	30,334.80	41.17	43.77	6.71
26,106	657,581	655,712.01	1,868.99	46.39	46.53	6.36
4,323	103,518	105,906.00	*2,388.00*	45.25	44.22	7.95
3,004	76,000	75,437.36	562.64	46.39	46.73	8.14
14,805	296,043	299,842.23	*3,799.23*	37.41	36.93	7.24
1,902	40,666	40,914.50	*248.50*	39.74	39.50	8.93
2,969	70,167	70,078.42	88.58	43.60	43.65	8.47
585	15,234	15,646.18	*412.18*	49.44	48.13	9.27
1,986	48,975	49,058.30	*83.30*	45.63	45.54	8.55
6,885	152,747	153,154.56	*407.56*	41.09	40.97	8.22
18,236	376,916	378,471.69	*1,555.69*	38.33	38.17	7.03
95	2,175	2,108.52	66.48	40.86	42.14	9.81
551	13,125	13,576.13	*451.13*	45.50	43.98	9.58
685	15,453	15,921.14	*468.14*	42.95	41.68	7.76
1,098	27,487	29,396.23	*1,909.23*	49.47	46.26	9.10
3,012	33,146	33,710.58	*564.58*	37.46	36.83	7.44
9,047	192,269	191,901.00	368.00	39.18	39.25	7.77
1,453	30,970	30,528.24	441.76	38.80	39.35	7.37
20,945	493,105	502,458.92	*9,353.92*	44.31	43.48	7.85
3,075	74,497	75,571.02	*1,074.02*	45.40	44.75	9.11
668	15,707	15,572.02	134.98	43.03	43.40	9.17
13,924	327,229	321,933.96	5,295.04	42.71	43.40	8.35
2,662	56,313	57,404.14	*1,091.14*	39.83	39.07	7.96
789	18,115	18,454.05	*339.05*	43.20	42.40	8.57
990	24,802	24,175.16	*373.16*	45.12	44.42	9.05
264	6,159	6,362.20	*203.20*	44.55	43.13	10.08
664	13,112	13,684.29	427.71	38.05	39.24	8.00
173,313	3,925,935	3,914,992.33	10,942.67	41.72	41.84	7.05
1,176	28,314	28,226.56	87.44	44.33	44.47	8.58
1,047	24,592	24,871.00	*279.00*	43.90	43.41	8.49
1,048	26,792	26,698.56	93.44	47.04	47.20	10.45
23,237	557,939	556,792.88	1,146.12	44.26	44.35	6.41
34,584	723,568	727,209.84	*3,641.84*	38.84	38.64	6.87
15,182	358,829	356,895.31	1,933.69	43.42	43.65	7.87
29,608	716,520	707,208.78	9,311.22	44.12	44.70	8.24
218,965	5,520,801	5,627,183.44	*106,382.44*	47.47	46.56	5.97
305,439	7,031,533	7,048,890.80	*17,357.80*	42.62	42.52	7.70
4,895	57,834	58,089.66	*255.66*	39.72	39.54	6.88

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Seaforth	1,819.3	8,739.7	69,348	9,097	*9,793*	68,652
Shelburne	986.8	5,083.2	47,170	.....	*2,570*	44,600
Simcoe	9,309.3	53,512.3	377,682	46,546	*12,047*	412,181
Sioux Lookout	1,857.3	10,920.2	92,222	.....	.....	92,222
Smith's Falls	9,123.3	48,313.5	357,206	.....	*16,653*	340,553
Smithville	607.9	3,072.7	27,661	3,040	.....	30,701
Southampton	1,429.7	7,721.6	69,242	.....	.....	69,242
South River	395.1	2,150.4	19,410	.....	.....	19,410
Springfield	249.1	1,122.4	10,168	1,245	*998*	10,415
Stayner	1,136.1	6,189.6	49,366	.....	*1,615*	47,751
Stirling	1,083.5	5,264.2	42,936	.....	.....	42,936
Stoney Creek	4,044.6	20,664.2	163,583	20,223	.....	183,806
Stouffville	2,367.1	11,834.7	96,726	11,836	*2,692*	105,870
Stratford	19,464.8	108,692.2	764,686	97,324	*105,268*	756,742
Strathroy	4,923.6	26,664.3	193,332	24,618	*13,178*	204,772
Streetsville	3,644.2	19,134.6	148,371	18,221	.....	166,592
Sturgeon Falls	3,140.0	15,932.0	133,833	.....	.....	133,833
Sudbury	43,344.5	254,473.8	1,888,376	.....	.....	1,888,376
Sunderland	447.5	2,177.6	20,173	.....	*1,156*	19,017
Sundridge	474.2	2,496.6	22,081	.....	.....	22,081
Sutton	1,240.1	6,782.4	56,959	6,200	*1,597*	61,562
Swansea	6,233.2	38,045.2	255,502	31,166	.....	286,668
Tara	521.2	2,688.4	23,822	.....	*1,949*	21,873
Tavistock	894.1	4,716.0	40,038	4,470	*5,264*	39,244
Tecumseh	1,535.6	8,317.2	66,574	7,678	*2,458*	71,794
Teeswater	881.8	4,118.0	40,921	.....	*154*	40,767
Terrace Bay Twp.	1,489.7	9,316.5	61,301	.....	.....	61,301
Thamesford	936.8	5,175.6	44,792	4,684	*2,797*	46,679
Thamesville	837.0	3,709.8	38,299	4,185	*2,475*	40,009
Thedford	496.4	2,565.6	23,042	2,482	*1,885*	23,639
Thessalon	828.2	4,647.4	37,935	.....	.....	37,935
Thornbury	1,151.7	5,556.8	53,573	.....	.....	53,573
Thorndale	253.0	1,107.2	11,064	1,265	*1,367*	10,962
Thornton	151.2	680.4	6,473	.....	*580*	5,893
Thorold	14,782.1	96,349.5	611,100	73,911	*11,907*	673,104
Tilbury	1,749.8	8,004.5	75,667	8,749	*7,324*	77,092
Tillsonburg	6,648.1	33,330.7	252,525	33,240	*10,874*	274,891
Toronto	644,397.7	3,896,949.0	25,730,620	3,221,989	*3,075,950*	25,876,659
Toronto Twp.	81,957.4	533,439.1	3,438,501	409,787	*11,402*	3,836,886
Tottenham	426.5	2,188.0	20,031	.....	*1,930*	18,101

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
3,360	65,292	66,618.77	*1,326.77*	36.62	35.89	7.47
1,823	42,777	43,130.61	*353.61*	43.71	43.35	8.42
17,195	394,986	385,837.76	9,148.24	41.45	42.43	7.38
3,430	88,792	92,033.75	*3,241.75*	49.55	47.80	8.13
16,852	323,701	323,364.96	336.04	35.44	35.47	6.70
1,123	29,578	29,769.51	*191.51*	48.97	48.65	9.63
2,641	66,601	68,207.01	*1,606.01*	47.71	46.58	8.63
730	18,680	18,612.96	67.04	47.11	47.28	8.69
460	9,955	9,855.36	99.64	39.56	39.96	8.87
2,099	45,652	44,636.63	1,015.37	39.29	40.18	7.38
2,001	40,935	41,945.02	*1,010.02*	38.71	37.78	7.78
7,471	176,335	178,934.87	*2,599.87*	44.24	43.59	8.53
4,372	101,498	101,120.67	377.33	42.72	42.87	8.58
35,954	720,788	721,178.59	*390.59*	37.05	37.03	6.63
9,094	195,678	192,038.91	3,639.09	39.00	39.74	7.34
6,731	159,861	160,573.74	*712.74*	44.06	43.86	8.35
5,800	128,033	128,598.54	*565.54*	40.95	40.77	8.04
80,062	1,808,314	1,818,669.25	*10,355.25*	41.96	41.72	7.11
827	18,190	17,622.99	567.01	39.38	40.65	8.35
876	21,205	21,025.27	179.73	44.34	44.71	8.49
2,291	59,271	59,602.54	*331.54*	48.06	47.79	8.74
11,513	275,155	275,611.67	*456.67*	44.22	44.14	7.23
963	20,910	21,275.84	*365.84*	40.82	40.12	7.78
1,652	37,592	38,198.54	*606.54*	42.72	42.04	7.97
2,836	68,958	68,650.51	307.49	44.71	44.90	8.29
1,629	39,138	39,512.76	*374.76*	44.81	44.39	9.50
4,986	56,315	56,724.50	*409.50*	38.08	37.80	6.04
1,730	44,949	45,025.59	*76.59*	48.06	47.97	8.68
1,546	38,463	38,767.95	*304.95*	46.32	45.95	10.37
917	22,722	23,529.56	*807.56*	47.40	45.77	8.86
1,530	36,405	36,171.48	233.52	43.67	43.95	7.83
2,127	51,446	51,975.77	*529.77*	45.13	44.67	9.26
467	10,495	10,614.48	*119.48*	41.95	41.48	9.48
279	5,614	5,609.63	4.37	37.10	37.12	8.25
27,304	645,800	625,467.56	20,332.44	42.31	43.68	6.70
3,232	73,860	76,419.06	*2,559.06*	43.67	42.20	9.23
12,280	262,611	264,357.67	*1,746.67*	39.76	39.49	7.88
1,190,276	24,686,383	25,326,960.25	*640,577.25*	39.30	38.31	6.33
151,385	3,685,501	3,639,020.64	46,480.36	44.40	44.96	6.91
788	17,313	17,783.76	*470.76*	41.70	40.59	7.91

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Trenton	15,933.0	95,978.7	641,447	.....	.....	641,447
Tweed	1,481.1	6,810.0	60,351	.....	.....	60,351
Uxbridge	2,289.3	11,153.1	101,144	.....	*102*	101,042
Vankleek Hill	796.5	3,790.9	32,791	.....	.....	32,791
Victoria Harbour	530.7	2,555.2	24,618	.....	*749*	23,869
Walkerton	3,981.1	18,803.3	158,674	.....	.....	158,674
Wallaceburg	9,507.5	56,222.1	387,751	47,537	*24,799*	410,489
Wardsville	176.7	870.2	7,888	884	*543*	8,229
Warkworth	318.2	1,426.1	13,124	.....	.....	13,124
Wasaga Beach	899.2	3,552.3	37,587	.....	.....	37,587
Waterdown	1,127.6	6,088.8	47,092	5,638	*4,391*	48,339
Waterford	1,449.7	6,292.0	60,079	7,248	*4,185*	63,142
Waterloo	22,604.1	129,517.4	831,472	113,021	*40,157*	904,336
Watford	1,424.3	7,115.1	63,639	7,121	*2,818*	67,942
Waubaushene	364.3	1,681.6	16,941	.....	*441*	16,500
Webbwood	185.2	859.5	8,305	.....	.....	8,305
Welland	29,797.0	162,749.3	1,158,240	148,985	*39,534*	1,267,691
Wellesley	465.6	2,008.0	19,788	2,328	*3,659*	18,457
Wellington	621.9	2,958.7	28,493	.....	.....	28,493
West Ferris Twp.	4,697.4	25,733.9	198,777	.....	.....	198,777
West Lorne	1,180.7	5,278.2	52,774	5,904	*6,208*	52,470
Weston	10,378.7	58,325.5	414,037	51,893	*38,424*	427,506
Westport	445.2	2,205.6	19,470	.....	.....	19,470
Wheatley	886.7	4,169.4	40,257	4,434	*1,416*	43,275
Whitby	13,587.5	76,743.2	537,108	.....	.....	537,108
Wiarton	1,413.5	8,025.6	67,977	.....	.....	67,977
Williamsburg	273.4	1,224.8	12,652	.....	*521*	12,131
Winchester	1,399.3	7,679.7	65,047	.....	*2,245*	62,802
Windermere	176.1	760.8	7,663	.....	.....	7,663
Windsor	87,027.3	491,184.7	3,441,003	435,136	*433,989*	3,442,150
Wingham*	2,871.0	15,102.5	126,291	.....	*346*	125,945
Woodbridge	1,738.2	9,871.9	77,913	8,691	*6,052*	80,552
Woodstock	21,818.4	120,928.9	854,483	109,092	*60,214*	903,361
Woodville	227.1	1,122.0	10,671	.....	*1,029*	9,642
Wyoming	512.2	2,246.4	22,960	2,561	*1,313*	24,208
York Twp.	64,510.7	392,837.8	2,587,186	322,554	*112,553*	2,797,187
Zurich	466.2	2,195.8	21,302	2,331	*2,248*	21,385
Total Municipalities	4,115,442.2	24,316,413.6	166,666,354	15,660,513	*6,870,993*	175,455,874

Note 1: The notes to the Summary of the Allocation of the Cost of Primary Power on page 29 are an integral part of this statement.

*Note 2: The asterisk indicates that this particular utility operates its own generating facilities for the supply of

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1964

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
29,430	612,017	619,485.41	*7,468.41*	38.88	38.41	6.38
2,736	57,615	57,722.03	*107.03*	38.97	38.90	8.46
4,229	96,813	98,061.17	*1,248.17*	42.83	42.29	8.68
1,471	31,320	32,097.48	*777.48*	40.30	39.32	8.26
980	22,889	23,289.54	*400.54*	43.88	43.13	8.96
7,354	151,320	150,525.54	794.46	37.81	38.01	8.05
17,561	392,928	393,271.65	*343.65*	41.36	41.32	6.99
326	7,903	8,050.10	*147.10*	45.56	44.72	9.08
588	12,536	12,356.90	179.10	38.83	39.39	8.79
1,661	35,926	36,173.49	*247.49*	40.23	39.95	10.11
2,083	46,256	45,512.10	743.90	40.36	41.02	7.60
2,678	60,464	61,985.88	*1,521.88*	42.76	41.70	9.61
41,752	862,584	846,493.04	16,090.96	37.45	38.15	6.66
2,631	65,311	65,452.78	*141.78*	45.95	45.85	9.18
673	15,827	16,339.71	*512.71*	44.85	43.44	9.41
342	7,963	7,908.43	54.57	42.70	42.99	9.26
55,038	1,212,653	1,224,614.86	*11,961.86*	41.10	40.69	7.45
860	17,597	18,434.97	*837.97*	39.59	37.79	8.76
1,149	27,344	27,497.40	*153.40*	44.22	43.97	9.24
8,677	190,100	187,164.95	2,935.05	39.84	40.47	7.39
2,181	50,289	51,613.55	*1,324.55*	43.71	42.59	9.53
19,171	408,335	413,488.18	*5,153.18*	39.84	39.34	7.00
822	18,648	19,127.71	*479.71*	42.96	41.88	8.45
1,638	41,637	42,384.25	*747.25*	47.80	46.95	9.99
25,098	512,010	511,474.72	535.28	37.64	37.68	6.67
2,611	65,366	65,272.09	93.91	46.18	46.24	8.14
505	11,626	11,918.24	*292.24*	43.59	42.52	9.49
2,585	60,217	60,407.01	*190.01*	43.17	43.04	7.84
325	7,338	7,486.06	*148.06*	42.51	41.67	9.65
160,749	3,281,401	3,204,602.38	76,798.62	36.82	37.70	6.68
5,303	120,642	120,870.00	*228.00*	42.10	42.02	7.99
3,211	77,341	77,327.48	13.52	44.49	44.49	7.83
40,301	863,060	864,120.69	*1,060.69*	39.61	39.55	7.14
419	9,223	9,274.85	*51.85*	40.84	40.61	8.22
946	23,262	24,173.58	*911.58*	47.20	45.42	10.36
119,159	2,678,028	2,688,516.77	*10,488.77*	41.67	41.51	6.82
861	20,524	20,546.40	*22.40*	44.07	44.02	9.35
7,734,740	167,721,134	168,345,300.48	*624,166.48*	....	....	....

part of its power requirement. The figures shown in this Statement relate only to the power and energy supplied by The Hydro-Electric Power Commission of Ontario.

For more complete details on the cost of providing service within any municipal electrical utility, the reader is referred to the statements in the Municipal Electrical Service Supplement beginning on page 150.

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Acton	488,421.87	30,888.25	.....	519,310.12
Ailsa Craig	58,195.05	315.62	.....	58,510.67
Ajax	198,060.13	39,222.41	.....	237,282.54
Alexandria	194,336.00	17,205.69	.....	211,541.69
Alfred	16,791.48	3,704.66	.....	20,496.14
Alliston	193,669.13	18,048.26	.....	211,717.39
Almonte	91,645.85	13,557.83	.....	105,203.68
Alvinston	64,636.93	339.35	.....	64,976.28
Amherstburg	392,003.37	24,963.53	.....	416,966.90
Ancaster Twp.	176,746.55	13,977.78	.....	190,724.33
Apple Hill	16,102.03	905.86	.....	17,007.89
Arkona	41,123.78	3,266.95	.....	44,390.73
Arnprior	307,198.70	33,398.95	.....	340,597.65
Arthur	97,401.50	4,427.49	.....	101,828.99
Athens	45,795.59	4,231.82	.....	50,027.41
Atikokan Twp.	147,989.56	24,653.58	.....	172,643.14
Aurora	290,455.94	39,234.24	.....	329,690.18
Avonmore	7,446.72	1,113.87	.....	8,560.59
Aylmer	375,258.81	26,077.73	.....	401,336.54
Ayr	86,820.42	5,131.99	.....	91,952.41
Baden	134,389.37	3,578.33	.....	137,967.70
Bancroft	61,754.59	9,592.18	.....	71,346.77
Barrie	1,334,472.01	125,040.69	7,443.91	1,466,956.61
Barry's Bay	21,174.43	3,379.98	.....	24,554.41
Bath	25,460.94	2,817.44	.....	28,278.38
Beachburg	14,743.51	2,231.74	.....	16,975.25
Beachville	242,606.84	10,792.70	.....	253,399.54
Beamsville	119,872.98	12,438.92	10,974.82	143,286.72
Beaverton	114,317.38	8,993.11	.....	123,310.49
Beeton	74,864.19	2,170.59	.....	77,034.78
Belle River	82,394.94	5,598.91	.....	87,993.85
Belleville	1,786,459.90	174,196.40	.....	1,960,656.30
Belmont	12,807.04	5,238.05	.....	18,045.09
Blenheim	206,673.22	8,721.27	.....	215,394.49
Bloomfield	48,545.11	3,928.80	.....	52,473.91
Blyth	74,533.10	5,920.56	.....	80,453.66
Bobcaygeon	45,364.51	6,360.58	.....	51,725.09
Bolton	102,308.41	6,675.33	.....	108,983.74
Bothwell	68,438.41	747.70	.....	69,186.11
Bowmanville	629,017.03	58,603.68	.....	687,620.71
Bracebridge	5,322.45	1,931.90	.....	7,254.35
Bradford	154,095.83	11,746.05	.....	165,841.88
Braeside	50,414.74	8,927.59	.....	59,342.33
Brampton	1,129,165.31	116,466.17	.....	1,245,631.48
Brantford	5,637,108.35	271,653.22	.....	5,908,761.57

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Brantford Twp.	345,703.05	43,592.04	.....	389,295.09
Brechin	23,153.63	774.42	.....	23,928.05
Bridgeport	70,492.81	7,223.71	.....	77,716.52
Brigden	49,049.38	791.96	.....	49,841.34
Brighton	129,591.69	12,563.67	.....	142,155.36
Brockville	1,422,758.78	106,495.68	.....	1,529,254.46
Brussels	85,696.45	5,731.44	.....	91,427.89
Burford	87,746.90	4,941.14	.....	92,688.04
Burgessville	27,431.80	963.07	.....	28,394.87
Burk's Falls	32,305.74	5,160.23	.....	37,465.97
Burlington	1,250,244.90	214,771.64	.....	1,465,016.54
Cache Bay	8,239.01	2,641.56	.....	10,880.57
Caledonia	129,389.97	6,781.82	.....	136,171.79
Campbellford	17,421.48	5,142.86	.....	22,564.34
Campbellville	19,398.56	1,449.80	.....	20,848.36
Cannington	79,004.29	4,946.43	.....	83,950.72
Capreol	30,703.48	10,393.14	.....	41,096.62
Cardinal	84,901.34	7,546.05	.....	92,447.39
Carleton Place	486,782.69	32,599.57	.....	519,382.26
Casselman	31,359.72	5,437.39	.....	36,797.11
Cayuga	60,770.86	4,863.83	.....	65,634.69
Chalk River	20,903.58	3,217.14	.....	24,120.72
Chatham	2,342,609.30	117,889.74	.....	2,460,499.04
Chatsworth	32,130.68	1,986.92	.....	34,117.60
Chesley	188,670.80	8,592.87	.....	197,263.67
Chesterville	145,749.05	8,573.68	.....	154,322.73
Chippawa	114,892.52	8,877.68	.....	123,770.20
Clifford	49,017.80	3,137.49	.....	52,155.29
Clinton	272,220.94	13,091.54	.....	285,312.48
Cobden	43,589.76	4,703.59	.....	48,293.35
Cobourg	726,766.80	78,424.42	.....	805,191.22
Cochrane	38,048.14	13,889.93	.....	51,938.07
Colborne	73,599.28	7,820.97	.....	81,420.25
Coldwater	67,857.01	3,845.92	.....	71,702.93
Collingwood	732,926.16	40,463.73	.....	773,389.89
Comber	69,031.01	517.35	.....	69,548.36
Coniston	13,598.24	5,490.93	.....	19,089.17
Cookstown	38,389.38	2,504.57	.....	40,893.95
Cottam	31,818.14	2,519.73	.....	34,337.87
Courtright	29,339.61	1,163.52	.....	30,503.13
Creemore	61,674.04	3,357.46	.....	65,031.50
Dashwood	44,825.18	1,797.22	.....	46,622.40
Deep River	92,444.75	20,370.07	.....	112,814.82
Delaware	25,609.29	1,695.35	.....	27,304.64
Delhi	172,095.02	18,865.80	.....	190,960.82

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Deseronto	90,819.04	8,893.76	.....	99,712.80
Dorchester	46,057.01	2,741.27	.....	48,798.28
Drayton	62,940.54	2,257.16	.....	65,197.70
Dresden	182,043.13	10,368.11	.....	192,411.24
Drumbo	36,624.83	1,767.91	.....	38,392.74
Dryden	130,959.84	21,779.39	.....	152,739.23
Dublin	29,652.29	1,616.75	.....	31,269.04
Dundalk	75,513.15	4,969.77	.....	80,482.92
Dundas	816,738.58	43,404.87	.....	860,143.45
Dunnville	436,226.94	25,770.95	.....	461,997.89
Durham	172,985.91	11,531.03	.....	184,516.94
Dutton	84,948.52	1,980.12	.....	86,928.64
East York Twp.	3,162,402.27	284,378.09	.....	3,446,780.36
Eganville	22,110.20	3,932.41	.....	26,042.61
Elmira	448,186.98	23,570.47	.....	471,757.45
Elmvale	73,996.87	4,141.70	.....	78,138.57
Elmwood	27,443.94	1,380.32	.....	28,824.26
Elora	161,592.76	3,639.05	.....	165,231.81
Embro	54,564.60	2,248.82	.....	56,813.42
Erieau	53,081.19	4,205.56	.....	57,286.75
Erie Beach	9,431.75	703.27	.....	10,135.02
Erin	29,668.26	4,272.73	.....	33,940.99
Espanola	30,939.13	12,883.57	.....	43,822.70
Essex	207,118.04	11,638.63	.....	218,756.67
Etobicoke Twp.	6,035,241.92	883,173.48	.....	6,918,415.40
Exeter	272,096.20	14,991.88	.....	287,088.08
Fergus	424,542.07	27,375.89	.....	451,917.96
Finch	32,521.01	2,685.84	.....	35,206.85
Flesherton	38,081.44	2,458.22	.....	40,539.66
Fonthill	89,387.31	9,229.49	.....	98,616.80
Forest	208,328.29	11,464.04	.....	219,792.33
Forest Hill	1,502,914.21	116,607.54	.....	1,619,521.75
Fort William	6,014,986.13	397,660.45	.....	6,412,646.58
Frankford	37,245.37	5,468.81	.....	42,714.18
Galt	3,011,117.82	133,809.46	.....	3,144,927.28
Georgetown	699,288.47	50,651.03	.....	749,939.50
Glencoe	100,473.22	3,929.48	829.80	105,232.50
Goderich	693,438.77	37,351.08	310.54	731,100.39
Grand Bend	64,355.21	6,758.26	.....	71,113.47
Grand Valley	68,782.92	3,505.70	.....	72,288.62
Granton	29,426.14	112.22	.....	29,538.36
Gravenhurst	274,354.73	19,952.13	.....	294,306.86
Grimsby	195,174.17	23,396.97	.....	218,571.14
Guelph	3,680,605.17	187,163.06	.....	3,867,768.23
Hagersville	332,157.56	2,477.46	.....	334,635.02

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Hamilton	35,475,241.82	2,740,639.63	.....	38,215,881.45
Hanover	450,642.61	24,709.11	.....	475,351.72
Harriston	183,651.76	7,215.52	.....	190,867.28
Harrow	182,352.54	11,566.50	.....	193,919.04
Hastings	41,965.09	4,164.60	.....	46,129.69
Havelock	72,168.62	5,833.74	.....	78,002.36
Hawkesbury	113,056.42	22,228.26	.....	135,284.68
Hearst	18,649.12	11,064.96	.....	29,714.08
Hensall	99,622.50	5,672.78	.....	105,295.28
Hespeler	726,301.90	39,730.59	.....	766,032.49
Highgate	41,010.80	781.84	.....	41,792.64
Holstein	14,584.93	746.68	.....	15,331.61
Huntsville	369,471.80	18,958.31	.....	388,430.11
Ingersoll	885,202.33	29,532.74	.....	914,735.07
Iroquois	59,990.16	6,180.61	.....	66,170.77
Jarvis	73,288.01	2,988.15	.....	76,276.16
Kapuskasing	58,621.16	19,837.85	.....	78,459.01
Kemptville	167,874.29	15,600.46	.....	183,474.75
Killaloe Station	13,400.25	2,332.10	.....	15,732.35
Kincardine	293,965.62	22,996.61	.....	316,962.23
King City	27,307.33	6,314.32	.....	33,621.65
Kingston	2,868,452.40	330,095.07	.....	3,198,547.47
Kingsville	244,074.49	12,078.72	6,370.87	262,524.08
Kirkfield	14,903.39	1,072.52	.....	15,975.91
Kitchener	7,536,663.44	409,141.25	3,160.98	7,948,965.67
Lakefield	130,598.82	12,132.95	.....	142,731.77
Lambeth	81,383.25	6,841.03	.....	88,224.28
Lanark	41,700.18	3,456.23	.....	45,156.41
Lancaster	33,342.86	2,556.27	.....	35,899.13
Larder Lake Twp.	16,369.88	4,856.80	.....	21,226.68
Latchford	3,258.91	894.36	.....	4,153.27
Leamington	677,761.06	51,268.40	.....	729,029.46
Lindsay	908,549.94	82,365.00	.....	990,914.94
Listowel	442,075.24	23,766.84	.....	465,842.08
London	12,208,779.11	618,624.47	.....	12,827,403.58
Long Branch	507,727.62	52,292.10	.....	560,019.72
L'Orignal	16,298.50	3,167.94	.....	19,466.44
Lucan	86,069.71	3,016.82	.....	89,086.53
Lucknow	120,905.49	9,671.88	.....	130,577.37
Lynden	49,857.81	7.16	.....	49,864.97
Madoc	88,534.56	8,564.38	.....	97,098.94
Magnetawan	5,355.77	797.23	.....	6,153.00
Markdale	72,932.59	5,382.34	.....	78,314.93
Markham	197,942.85	22,107.13	.....	220,049.98
Marmora	64,304.72	6,191.19	.....	70,495.91

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Martintown	15,888.90	1,207.32	.....	17,096.22
Massey	7,376.87	2,938.07	.....	10,314.94
Maxville	58,591.82	4,984.25	.....	63,576.07
McGarry	15,190.82	4,446.63	.....	19,637.45
Meaford	282,538.76	26,216.72	.....	308,755.48
Merlin	53,565.39	804.92	.....	54,370.31
Merrickville	26,078.49	3,349.14	.....	29,427.63
Midland	1,078,287.85	48,676.68	.....	1,126,964.53
Mildmay	45,083.94	4,097.36	.....	49,181.30
Millbrook	34,567.48	3,754.70	.....	38,322.18
Milton	511,981.40	17,034.90	.....	529,016.30
Milverton	174,692.28	365.26	.....	175,057.54
Mimico	891,994.75	52,315.57	.....	944,310.32
Mitchell	240,114.45	12,007.96	.....	252,122.41
Moorefield	32,686.08	1,536.42	.....	34,222.50
Morrisburg	96,092.36	9,890.69	.....	105,983.05
Mount Brydges	43,061.46	2,707.67	.....	45,769.13
Mount Forest	212,600.23	14,333.46	.....	226,933.69
Napanee	381,347.03	32,361.88	.....	413,708.91
Nepean Twp.	.....	53,041.00	.....	53,041.00
Neustadt	35,284.57	909.90	.....	36,194.47
Newboro	5,764.09	756.56	.....	6,520.65
Newburgh	15,042.54	1,982.70	.....	17,025.24
Newbury	21,498.38	588.35	.....	22,086.73
Newcastle	64,980.21	6,925.21	.....	71,905.42
New Hamburg	223,266.86	7,408.49	.....	230,675.35
Newmarket	374,338.87	45,661.18	.....	420,000.05
New Toronto	2,897,180.37	191,717.97	.....	3,088,898.34
Niagara	211,387.29	11,127.29	.....	222,514.58
Niagara Falls	3,732,317.11	184,381.01	.....	3,916,698.12
Nipigon Twp.	137,255.66	12,706.23	.....	149,961.89
North Bay	239,116.08	78,032.64	.....	317,148.72
North York Twp.	8,127,400.05	1,279,307.46	.....	9,406,707.51
Norwich	157,672.37	2,058.62	.....	159,730.99
Norwood	58,954.99	5,408.20	.....	64,363.19
Oakville	1,603,623.22	376,263.18	.....	1,979,886.40
Oil Springs	85,686.77	*1,525.67*	.....	84,161.10
Omemee	36,238.10	3,685.52	.....	39,923.62
Orangeville	330,281.27	26,756.19	.....	357,037.46
Orillia	226,511.20	41,174.45	.....	267,685.65
Orono	33,912.38	4,324.50	.....	38,236.88
Oshawa	5,470,576.37	564,536.05	.....	6,035,112.42
Ottawa	8,634,797.47	1,159,637.04	.....	9,794,434.51
Otterville	49,288.01	2,337.98	.....	51,625.99
Owen Sound	1,459,030.83	92,544.72	.....	1,551,575.55

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Paisley	65,080.11	4,807.75	.....	69,887.86
Palmerston	200,968.06	5,714.80	.....	206,682.86
Paris	530,189.62	18,054.68	3,013.01	551,257.31
Parkhill	114,793.11	5,877.17	.....	120,670.28
Parry Sound	118,046.31	18,591.85	.....	136,638.16
Penetanguishene	307,756.09	18,898.36	.....	326,654.45
Perth	483,647.54	38,838.02	.....	522,485.56
Peterborough	3,490,572.28	332,975.89	46,766.99	3,870,315.16
Petrolia	404,189.35	6,187.85	.....	410,377.20
Pickering	22,073.50	5,233.94	.....	27,307.44
Picton	421,931.55	35,482.26	.....	457,413.81
Plantagenet	.....	2,027.00	14,836.84	16,863.84
Plattsville	64,301.33	4,401.00	.....	68,702.33
Point Edward	472,450.66	34,616.61	.....	507,067.27
Port Arthur	10,552,168.71	607,254.75	.....	11,159,423.46
Port Burwell	25,562.72	2,213.51	.....	27,776.23
Port Colborne	756,568.33	69,456.74	32,226.81	858,251.88
Port Credit	616,641.58	84,135.50	.....	700,777.08
Port Dover	209,271.51	15,369.98	.....	224,641.49
Port Elgin	143,348.02	14,008.92	.....	157,356.94
Port Hope	723,131.63	61,005.27	.....	784,136.90
Port McNicoll	87,720.91	7,178.25	.....	94,899.16
Port Perry	137,122.33	12,901.64	.....	150,023.97
Port Rowan	42,802.14	3,267.09	.....	46,069.23
Port Stanley	197,796.78	7,173.21	.....	204,969.99
Prescott	359,875.46	26,397.05	.....	386,272.51
Preston	1,227,345.57	42,043.92	.....	1,269,389.49
Priceville	6,037.98	448.00	.....	6,485.98
Princeton	46,840.41	2,204.46	.....	49,044.87
Queenston	41,156.39	1,965.07	.....	43,121.46
Rainy River	5,974.72	3,479.99	.....	9,454.71
Red Rock	55,234.77	5,947.39	.....	61,182.16
Renfrew	223,239.61	29,609.58	.....	252,849.19
Richmond	38,910.39	4,891.42	.....	43,801.81
Richmond Hill	449,326.15	65,856.05	.....	515,182.20
Ridgetown	208,972.86	9,122.60	.....	218,095.46
Ripley	47,301.08	3,613.16	.....	50,914.24
Riverside	617,013.30	48,821.65	.....	665,834.95
Rockland	39,846.07	7,642.84	5,872.09	53,361.00
Rockwood	56,771.01	2,483.11	.....	59,254.12
Rodney	73,795.22	3,719.39	.....	77,514.61
Rosseau	19,681.89	1,425.28	.....	21,107.17
Russell	34,378.09	2,888.12	.....	37,266.21
St. Catharines	7,505,532.24	578,695.65	.....	8,084,227.89
St. Clair Beach	52,957.41	3,798.30	.....	56,755.71

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
St. George	68,649.13	3,126.70	.....	71,775.83
St. Jacobs	87,671.04	5,056.32	.....	92,727.36
St. Mary's	749,597.15	65,991.44	.....	815,588.59
St. Thomas	2,274,119.24	87,369.73	.....	2,361,488.97
Sandwich East Twp.	341,313.41	47,747.70	.....	389,061.11
Sandwich West Twp.	629,148.76	94,014.95	.....	723,163.71
Sarnia	6,471,729.22	699,777.99	.....	7,171,507.21
Scarborough Twp.	6,482,028.37	923,858.54	.....	7,405,886.91
Schreiber Twp.	73,494.74	9,425.79	.....	82,920.53
Seaforth	250,277.95	6,682.35	.....	256,960.30
Shelburne	116,710.97	6,797.29	.....	123,508.26
Simcoe	763,349.37	56,978.13	19,812.39	840,139.89
Sioux Lookout	18,817.08	10,911.68	.....	29,728.76
Smith's Falls	770,991.79	49,831.65	.....	820,823.44
Smithville	50,241.15	4,848.65	.....	55,089.80
Southampton	135,899.10	12,508.96	.....	148,408.06
South River	4,410.68	2,171.43	.....	6,582.11
Springfield	39,756.83	1,559.23	.....	41,316.06
Stayner	106,531.33	7,459.74	.....	113,991.07
Stirling	84,086.44	7,783.46	.....	91,869.90
Stoney Creek	173,044.20	23,953.77	.....	196,997.97
Stouffville	169,488.38	14,007.86	.....	183,496.24
Stratford	2,545,430.76	67,984.78	.....	2,613,415.54
Strathroy	458,322.30	24,227.30	.....	482,549.60
Streetsville	161,869.16	22,005.77	.....	183,874.93
Sturgeon Falls	42,739.38	15,288.58	.....	58,027.96
Sudbury	541,809.34	212,212.37	.....	754,021.71
Sunderland	47,456.40	2,680.06	.....	50,136.46
Sundridge	19,213.76	3,464.55	.....	22,678.31
Sutton	129,736.98	9,708.07	.....	139,445.05
Swansea	670,585.74	53,520.43	.....	724,106.17
Tara	52,216.01	2,392.95	.....	54,608.96
Tavistock	194,568.64	6,219.00	.....	200,787.64
Tecumseh	173,373.89	11,093.97	.....	184,467.86
Teeswater	80,401.39	7,197.27	.....	87,598.66
Terrace Bay Twp.	108,228.72	10,690.15	.....	118,918.87
Thamesford	88,894.20	5,130.37	.....	94,024.57
Thamesville	98,042.91	5,244.26	.....	103,287.17
Thedford	60,404.85	2,869.59	.....	63,274.44
Thessalon	12,964.59	4,526.58	.....	17,491.17
Thornbury	45,149.03	7,161.96	.....	52,310.99
Thorndale	37,060.78	1,148.06	.....	38,208.84
Thornton	17,831.14	737.42	.....	18,568.56
Thorold	982,222.46	90,247.84	.....	1,072,470.30
Tilbury	273,516.48	11,201.06	.....	284,717.54
Tillsonburg	507,432.64	34,913.01	.....	542,345.65
Toronto	92,523,980.20	3,086,355.72	.....	95,610,335.92
Toronto Twp.	2,796,160.56	458,902.33	199,282.70	3,454,345.59
Tottenham	59,208.63	2,315.91	.....	61,524.54
Trenton	1,148,169.91	112,067.80	8,741.16	1,268,978.87

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1964

Municipality	Balance at December 31, 1963	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1964
	$	$	$	$
Tweed	105,632.98	10,406.32	.....	116,039.30
Uxbridge	160,032.30	16,791.83	.....	176,824.13
Vankleek Hill	25,607.51	4,362.30	.....	29,969.81
Victoria Harbour	38,175.68	3,132.90	.....	41,308.58
Walkerton	250,653.56	26,252.14	.....	276,905.70
Wallaceburg	1,203,955.52	61,678.02	.....	1,265,633.54
Wardsville	24,148.62	1,258.75	.....	25,407.37
Warkworth	30,118.31	2,538.73	.....	32,657.04
Wasaga Beach	33,364.30	4,999.57	.....	38,363.87
Waterdown	114,289.69	4,736.61	.....	119,026.30
Waterford	155,995.58	7,957.97	.....	163,953.55
Waterloo	1,659,808.69	110,708.44	.....	1,770,517.13
Watford	151,163.03	9,598.09	.....	160,761.12
Waubaushene	33,876.14	2,507.27	.....	36,383.41
Webbwood	2,219.03	909.76	.....	3,128.79
Welland	2,234,072.15	167,930.55	.....	2,402,002.70
Wellesley	65,299.69	723.67	.....	66,023.36
Wellington	76,402.86	5,935.11	.....	82,337.97
West Ferris Twp.	50,775.98	22,166.04	.....	72,942.02
West Lorne	145,838.01	5,148.36	.....	150,986.37
Weston	1,247,929.72	51,955.67	.....	1,299,885.39
Westport	42,232.34	3,672.29	.....	45,904.63
Wheatley	103,001.22	6,791.37	.....	109,792.59
Whitby	668,661.44	82,968.46	.....	751,629.90
Wiarton	137,762.71	12,345.51	.....	150,108.22
Williamsburg	33,532.39	2,051.53	.....	35,583.92
Winchester	130,689.57	9,418.11	.....	140,107.68
Windermere	18,145.78	1,490.83	.....	19,636.61
Windsor	14,384,649.81	464,871.80	.....	14,849,521.61
Wingham	272,093.94	23,910.53	.....	296,004.47
Woodbridge	235,631.02	10,981.28	.....	246,612.30
Woodstock	2,250,903.04	114,118.07	21,701.34	2,386,722.45
Woodville	33,804.59	1,300.65	.....	35,105.24
Wyoming	49,190.43	2,955.46	.....	52,145.89
York Twp.	5,874,779.58	384,370.41	.....	6,259,149.99
Zurich	64,956.21	2,419.76	.....	67,375.97
TOTAL	346,982,343.37	23,848,004.58	381,344.25	371,211,692.20

NOTES

1. The net provision and interest credited during the year consist of the following amounts shown in the Statement of Equities Accumulated through Sinking Fund Provisions and Interest on page 31.

Interest	$13,879,294
Provision—direct	17,113,219
—indirect	251,994
	$31,244,507
Less credits resulting from matured sinking funds	7,396,502
	$23,848,005

2. The notes to the Statement of Equities Accumulated through Sinking Fund Provisions and Interest on pages 30 and 31 are an integral part of this Statement.

APPENDIX III—RURAL

POWER is delivered in wholesale quantities by the Commission to 89 rural operating areas. Within the areas, retail customers are supplied under the following five classes of service: farm, residential (rural, hamlet and suburban), commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1964, are included in this appendix.

Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides for the electrical supply of all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as residential service. Small properties of thirty acres and under are classified as residential service unless special circumstances warrant a classification as farm service.

There are three subdivisions of residential service. Rural residential service is supplied to isolated domestic establishments served as part of a rural operating area. Hamlet residential service is supplied to all domestic establishments in built-up areas where there are six or more customers in any quarter-mile section of road. Suburban residential service is supplied to all domestic establishments in built-up suburban communities where there are at least 100 customers in a

group and where there are 12 or more customers in any quarter-mile section of road or street.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants having single-phase supply. Sign and display lighting are included.

Summer service is applicable to residential properties normally used only for seasonally limited periods of the year. Industrial power service, which is 3-phase service for manufacturing and processing, is provided at secondary, rural primary distribution, or sub-transmission voltage.

Rural Rate Structure

Rural rates in effect throughout the Province are given in the accompanying tables. They are quoted on a monthly basis, except the rate for summer service, which is quoted on an annual basis. The table shows the number of kilowatt-hours in each energy block and the rate applicable, for each class of service. The bills are subject either to a monthly minimum or, with respect to summer service, to an annual minimum as indicated. For contracts with a demand rating (CD and Industrial Power) these aspects of the bill are based on measured demand and are subject to minima related to demands established in previous billing periods.

Late in 1964, the Commission introduced all-electric rates for year-round residential service where electricity as the sole source of energy is used both for space heating and for electric water heating (employing a 40-gallon package-type unit or its equivalent).

For industrial power service supplied at secondary or rural primary voltage there are 8 rate schedules, as listed in the following table. The alphabetical list of the 89 rural operating areas indicates the schedule number of the power service rate applicable to each area as of December 31, 1964.

Industrial power service at sub-transmission voltage is supplied at special rates established for each customer and based on the cost of power and location of plant.

RATES AND TYPICAL BILLS FOR RURAL ELECTRICAL SERVICE as at December 31, 1964

Rates are quoted on a monthly basis for all services except summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and Rating	Electric Heating Separately Billed per Kwh	First 50 Kwh or Less	All Additional per Kwh	Number of Kilowatt-Hours per Month Billed at Uniform Kwh Rate Shown (+ *indicates all additional*)						Minimum Bill Per Month (Gross)	Net Monthly Bill for	
				4.5¢	2.6¢	1.1¢	1.5¢	1.7¢	0.5¢		250 kwh	500 kwh
	¢	$	¢							$	$	$
Rural▲												
Residential												
R20 (see note)	1.39	....	....	60	80	...	+	...	...	1.67	5.79	9.16
R.....	1.39	....	....	60	180	...	+	...	...	2.25	6.78	10.15
E.R.....	...	1.95	1.39	...	...	...	...	...	...	1.95	4.26	7.39
Hamlet▲												
Residential												
H20 (see note)	1.39	....	....	60	80	500	+	...	...	1.67	5.39	7.87
H.....	1.39	....	....	60	180	500	+	...	...	2.25	6.74	9.22
E.H.....	...	1.95	1.39	...	...	...	...	...	...	1.95	4.26	7.39
Suburban▲												
Residential												
B.....	1.22	....	....	60	180	+	...	...	...	2.25	6.74	9.22
E.B.....	...	1.39	1.22	...	...	...	...	...	...	1.39	3.45	6.19
Commercial	1.50	....	....	...	...	...	...	...	...	....	....	....
C20 (see note)	...	....	....	60	120	...	+	...	...	1.50	6.18	9.56
C35.....	...	....	....	90	180	...	+	...	...	2.25	7.39	10.96
C50.....	...	....	....	150	300	...	+	...	...	3.75	8.42	13.77
CD.....	...	....	....	15*	30*	...	+	...	...	.40*	8.42	13.77†
Farm▲												
F.....	1.39	....	....	60	180	...	+	...	...	2.25	6.78	10.15
											Net Monthly Bill for	
											2,000 kwh	4,000 kwh
Farm Demand												
FD.....	1.39	....	....	...	...	...	...	200*	+	34.00	30.60†	39.60†
											Net Annual Bill for	
											750 kwh	1,000 kwh
Summer (on annual basis)												
S.....	...	....	....	225§	675§	...	+	...	...	44.44§‡	41.40	46.26

*Per kw of demand
§Per year
†Calculated on basis of demand of 10 kw
‡Includes annual fixed charge of $22.22 Gross

NOTE—The H20, R20 and C20 rates were discontinued as of January 1, 1959 except for existing 2-wire services at that time.

▲Upon application to the Commission, a customer in the Residential and Farm classes, using a C.S.A. approved water heater with tank and element sizes acceptable to the Commission, will have a special block of 400 kwh at 0.8¢ per kwh inserted in the rate structure after the 2.6¢ per kwh rate.

E.R., E.H., E.B.—all-electric contract designations.


NORTHEASTERN REGION
NORTHWESTERN REGION
GEORGIAN BAY REGION
CENTRAL REGION
EASTERN REGION
WESTERN REGION
NIAGARA REGION
LAKE HURON
LAKE ONTARIO
LAKE ERIE
GEORGIAN BAY
L. NIPISSING
L. SIMCOE
OTTAWA RIVER
ST. LAWRENCE RIVER
NEW YORK
MICHIGAN
MANITOBA
ONTARIO
QUEBEC
UNITED STATES
L. SUPERIOR
L. MICHIGAN
HURON
JAMES BAY
ALBANY RIVER
PATRICIA
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
PROVINCE OF ONTARIO
SHOWING
RURAL OPERATING AREAS
LEGEND
Miles of Line
Rural Operating Area
Farm Customers
Non-Farm Customers
DECEMBER 31 1964

Area Industrial Power Service Schedules in Effect

Schedule	No. of Kwh in First Block	No. of Kwh in Second Block	Demand Rate per Kw	Energy Rate per Kwh for			Net Monthly Bill for Use of 1 Kw of Demand	
				First Block of Kwh	Second Block of Kwh	All Additional Kwh	200 Hours	300 Hours
			$	¢	¢	¢	$	$
1	50*	50*	1.35	2.3	1.5	0.33	3.22	3.52
2	50*	50*	1.35	2.6	1.7	0.33	3.45	3.74
3	50*	50*	1.35	2.8	1.8	0.33	3.58	3.88
4	50*	50*	1.35	3.1	2.0	0.33	3.81	4.10
5	50*	50*	1.35	3.4	2.2	0.33	4.03	4.33
6	50*	50*	1.35	3.7	2.4	0.33	4.26	4.55
7	50*	50*	1.35	4.0	2.6	0.33	4.48	4.78
8	50*	50*	1.35	4.6	3.0	0.33	4.93	5.23

*Per kw of demand.

Operating Area	Schedule	Operating Area	Schedule	Operating Area	Schedule
Algoma	6	Fort Frances	6	Penetanguishene	5
Alliston	5	Frankford	4	Perth	4
Arnprior	4	Geraldton	6	Peterborough	1
Aylmer	4	Guelph	4	Picton	5
Bala	4	Huntsville	5	Port Arthur	5
Bancroft	6	Kapuskasing	6	Richmond Hill	4
Barrie	5	Kenora	6	St. Thomas	5
Beachville	4	Kingston	4	Sarnia	5
Beamsville	4	Kirkland Lake	6	Shelburne	5
Belleville	4	Kitchener	4	Simcoe	4
Blenheim	5	Lakefield	4	Stayner	4
Bowmanville	4	Lancaster	4	Stoney Creek	2
Bracebridge	4	Listowel	4	Caledonia Section	4
Brampton	4	London	5	Stratford	4
Brantford	4	Manitoulin	8	Strathroy	5
Brockville	4	Markdale	4	Sudbury	6
Cannington	5	Markham	4	Sutton	5
Cayuga	6	Matheson	6	Terrace Bay	6
Chatham	4	Merlin	6	Timmins	6
Clinton	5	Minden	6	Tweed	5
Cobden	4	Napanee	4	Uxbridge	5
Cobourg	4	New Liskeard	6	Vankleek Hill	4
Delta	4	North Bay	6	Walkerton	5
Dryden	6	Norwood	5	Wallaceburg	5
Dundas	4	Oil Springs	6	Warren	6
Elmira	4	Orangeville	6	Welland	3
Essex	5	Orillia	3	West Lorne	6
Exeter	5	Ottawa	2	Winchester	4
Fenelon Falls	5	Owen Sound	5	Wingham	5
Forest	6	Parry Sound	5	Woodbridge	5

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS

as at December 31, 1964

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System										
WESTERN										
Aylmer	513.49	2,331	471	1,729	299	436	14	148	30	5,458
Beachville	788.28	3,052	444	1,707	.....	467	5	42	38	5,755
Blenheim	142.67	655	151	437	92	107	12	294	13	1,761
Chatham	687.87	2,755	624	1,327	238	503	31	568	40	6,086
Clinton	815.89	3,197	214	863	326	411	18	1,037	24	6,090
Essex	944.27	4,918	610	4,564	1,245	854	104	3,464	152	15,911
Exeter	672.82	2,723	177	507	111	255	14	548	26	4,361
Forest	346.21	1,417	135	236	41	140	72	1,283	14	3,338
London	477.96	1,914	484	1,385	297	398	1	36	82	4,597
Merlin	396.50	1,625	207	358	107	237	3	476	20	3,033
Oil Springs	367.31	1,525	104	264	31	184	.....	.....	24	2,132
St. Thomas	309.94	1,217	243	769	707	256	.....	20	14	3,226
Sarnia	297.38	1,198	172	1,502	1,522	383	15	507	40	5,339
Stratford	685.40	2,952	240	830	246	388	.....	.....	28	4,684
Strathroy	541.22	1,940	423	698	272	302	.....	3	18	3,656
Wallaceburg	474.98	1,815	378	950	658	407	1	394	34	4,637
West Lorne	506.58	1,854	145	333	.....	242	.....	68	19	2,661
Total	8,968.77	37,088	5,222	18,459	6,192	5,970	290	8,888	616	82,725
NIAGARA										
Beamsville	569.61	3,094	437	2,716	1,938	617	7	239	93	9,141
Brantford	559.80	2,227	653	847	215	378	4	17	15	4,356
Cayuga	720.62	2,627	537	1,465	130	455	67	2,587	41	7,909
Dundas	390.96	1,685	316	2,713	1,950	407	.....	3	58	7,132
Elmira	509.62	1,684	253	949	428	358	18	357	25	4,072
Guelph	409.90	1,351	465	1,180	635	286	.....	17	38	3,972
Kitchener	476.95	1,624	229	2,560	471	447	.....	168	66	5,565
Listowel	689.91	2,943	157	446	382	369	3	190	43	4,533
Simcoe	809.40	3,462	1,221	2,099	360	561	86	1,802	35	9,626
Stoney Creek	284.46	910	288	3,411	2,007	531	.....	110	86	7,343
Welland	557.96	1,636	731	3,372	1,110	643	87	1,431	69	9,079
Total	5,979.19	23,243	5,287	21,758	9,626	5,052	272	6,921	569	72,728

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS

as at December 31, 1964

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System —Continued										
CENTRAL										
Bowmanville	542.58	1,532	612	2,027	1,998	504	29	180	62	6,944
Brampton	378.62	1,008	517	1,410	1,869	355	15	176	105	5,455
Markham	407.52	1,194	568	2,203	4,770	644	37	569	87	10,072
Richmond Hill	321.83	848	62	2,269	5,899	724	5	169	146	10,122
Sutton	367.78	995	435	1,109	2,347	441	119	3,389	32	8,867
Uxbridge	523.76	1,582	440	810	361	267	26	1,819	17	5,322
Woodbridge	402.94	1,148	684	1,290	1,514	549	.....	59	100	5,344
Total	2,945.03	8,307	3,318	11,118	18,758	3,484	231	6,361	549	52,126
GEORGIAN BAY										
Alliston	512.97	2,011	401	766	214	246	8	58	28	3,732
Bala	291.71	5	129	419	156	114	98	2,979	6	3,906
Barrie	531.36	1,471	594	1,750	1,298	486	120	3,885	40	9,644
Bracebridge	554.65	295	568	803	440	266	176	4,682	18	7,248
Cannington	513.03	1,227	286	1,082	22	280	59	3,448	12	6,416
Fenelon Falls	571.28	1,033	185	735	179	265	192	4,507	12	7,108
Huntsville	709.35	458	818	913	583	386	252	3,348	24	6,782
Markdale	673.63	2,284	242	671	116	358	16	1,070	27	4,784
Minden	575.81	347	346	1,088	403	391	187	4,758	11	7,531
Orangeville	535.17	1,413	607	918	482	371	10	499	29	4,329
Orillia	632.76	1,011	559	1,307	1,510	526	166	4,724	30	9,833
Owen Sound	976.86	2,535	448	1,340	481	577	199	4,455	31	10,066
Parry Sound	530.93	176	570	948	229	291	195	2,115	23	4,547
Penetanguishene	594.95	705	391	1,302	261	293	196	6,600	18	9,766
Shelburne	600.09	1,946	194	214	.....	182	4	109	.....	2,649
Stayner	378.85	1,183	195	821	537	283	254	3,703	10	6,986
Walkerton	1,002.32	3,762	376	664	306	494	29	877	30	6,538
Wingham	714.91	2,729	98	404	306	332	49	1,019	14	4,951
Total	10,900.63	24,591	7,007	16,145	7,523	6,141	2,210	52,836	363	116,816

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1964

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System —Continued										
EAST CENTRAL & EASTERN										
Arnprior	464.70	1,064	336	726	533	325	47	1,704	23	4,758
Bancroft	559.25	576	339	1,035	257	228	115	1,912	9	4,471
Belleville	228.83	783	195	1,226	541	287	1	54	31	3,118
Brockville	654.22	2,045	681	1,793	559	523	57	1,078	40	6,776
Cobden	1,298.63	2,590	867	2,255	1,284	842	142	1,784	45	9,809
Cobourg	616.17	1,657	630	1,169	592	351	76	1,196	22	5,693
Delta	497.35	1,065	299	466	246	264	106	1,722	7	4,175
Frankford	614.90	1,982	504	1,207	524	372	39	620	23	5,271
Kingston	954.42	1,970	618	2,022	3,596	758	85	2,083	78	11,210
Lakefield	529.97	505	252	573	234	204	131	4,648	6	6,553
Lancaster	618.64	2,258	531	782	716	469	21	538	37	5,352
Napanee	597.30	1,946	428	1,083	284	426	44	570	13	4,794
Norwood	405.88	953	213	450	.....	146	49	1,579	6	3,396
Ottawa	683.64	2,026	890	2,838	3,393	774	13	316	100	10,350
Perth	1,085.33	2,347	552	1,365	102	506	73	2,570	24	7,539
Peterborough	670.25	1,738	359	903	1,070	410	85	1,704	33	6,302
Picton	491.66	1,694	425	1,531	178	339	102	947	19	5,235
Tweed	670.73	1,122	677	813	94	325	162	1,235	7	4,435
Vankleek Hill	611.29	2,456	286	900	486	432	12	320	27	4,919
Winchester	1,016.05	3,807	582	1,264	812	663	3	342	60	7,533
Total	13,269.21	34,584	9,664	24,401	15,501	8,644	1,363	26,922	610	121,689
NORTHEASTERN										
Algoma	346.46	375	182	1,146	2,617	572	52	357	61	5,362
Kapuskasing	305.62	289	453	899	1,730	321	15	337	21	4,065
Kirkland Lake	137.97	37	132	296	35	102	23	396	6	1,027
Manitoulin	614.39	859	314	795	755	553	124	845	27	4,272
Matheson	506.56	643	595	545	215	236	8	382	11	2,635
New Liskeard	676.09	1,239	503	688	462	441	1	505	20	3,859
North Bay	855.60	882	1,080	1,904	2,752	687	176	1,459	73	9,013
Sudbury	655.68	254	1,059	2,557	6,101	791	14	1,406	76	12,258
Timmins	91.91	147	54	374	388	108	3	108	15	1,197
Warren	546.29	852	622	828	614	410	111	1,227	21	4,685
Total	4,736.57	5,577	4,994	10,032	15,669	4,221	527	7,022	331	48,373

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1964

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
West System										
Northwestern										
Dryden	365.48	228	560	881	184	318	68	475	11	2,725
Fort Frances	598.33	903	450	406	180	362	50	188	5	2,544
Geraldton	137.85	1	24	506	263	253	13	23	27	1,110
Kenora	302.50	150	343	836	5	199	141	1,179	14	2,867
Port Arthur	927.62	1,008	1,515	2,031	625	539	27	1,601	31	7,377
Terrace Bay	41.35	.....	4	138	574	137	13	29	13	908
Total	2,373.13	2,290	2,896	4,798	1,831	1,808	312	3,495	101	17,531

SUMMARY—MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1964

Regions by Systems	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System										
Western	8,968.77	37,088	5,222	18,459	6,192	5,970	290	8,888	616	82,725
Niagara	5,979.19	23,243	5,287	21,758	9,626	5,052	272	6,921	569	72,728
Central	2,945.03	8,307	3,318	11,118	18,758	3,484	231	6,361	549	52,126
Georgian Bay	10,900.63	24,591	7,007	16,145	7,523	6,141	2,210	52,836	363	116,816
Eastern	13,269.21	34,584	9,664	24,401	15,501	8,644	1,363	26,922	610	121,689
Northeastern	4,736.57	5,577	4,994	10,032	15,669	4,221	527	7,022	331	48,373
Total	46,799.40	133,390	35,492	101,913	73,269	33,512	4,893	108,950	3,038	494,457
West System										
Northwestern	2,373.13	2,290	2,896	4,798	1,831	1,808	312	3,495	101	17,531
Grand Total	49,172.53	135,680	38,388	106,711	75,100	35,320	5,205	112,445	3,139	511,988

Rural Electrical Service 1955 - 1964

CUSTOMERS, REVENUE AND CONSUMPTION, BY CLASSES OF SERVICE

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		$	kwh	No.	kwh	¢
*Farm	1955	12,915,852	593,811,187	138,648	360	2.18
	1956	13,671,336	642,704,082	139,289	385	2.13
	1957	14,386,097	685,863,992	140,604	408	2.10
	1958	15,159,553	739,085,422	140,343	438	2.05
	1959	16,122,453	804,044,121	140,892	477	2.01
	1960	16,688,958	850,192,892	140,782	503	1.96
	1961	17,367,400	909,189,400	138,924	542	1.91
	1962	17,975,845	971,696,100	137,954	585	1.85
	1963	19,086,801	1,058,604,500	136,864	642	1.80
	1964	19,447,674	1,090,954,900	135,680	667	1.78
*Hamlet, Rural, and Suburban Residential	1955	12,734,130	577,738,310	177,398	285	2.20
	1956	14,639,910	689,671,299	181,113	321	2.12
	1957	16,174,554	780,555,462	196,025	345	2.07
	1958	17,732,046	905,280,698	207,570	374	1.96
	1959	18,862,773	988,315,209	218,287	387	1.91
	1960	20,151,434	1,070,637,716	221,915	405	1.88
	1961	20,494,966	1,096,653,000	205,822	427	1.87
	1962	21,366,479	1,153,182,400	215,857	456	1.85
	1963	23,616,431	1,299,169,800	224,024	492	1.82
	1964	24,563,281	1,364,958,200	220,199	512	1.80
*Commercial (including Summer Commercial)	1955	3,996,936	186,151,526	32,509	493	2.15
	1956	4,444,185	210,438,939	33,481	532	2.11
	1957	4,855,540	232,393,865	35,179	564	2.09
	1958	5,346,040	259,521,547	36,966	600	2.06
	1959	5,764,611	282,562,584	38,176	627	2.04
	1960	6,099,889	301,874,591	38,887	653	2.02
	1961	6,425,565	324,871,900	38,496	700	1.98
	1962	6,739,668	343,061,600	39,574	732	1.96
	1963	7,423,798	383,400,200	40,509	798	1.94
	1964	7,821,307	407,033,500	40,525	837	1.92
*Summer	1955	2,214,360	40,361,920	68,600	51	5.49
	1956	2,478,450	45,989,563	74,390	54	5.39
	1957	2,709,831	50,674,936	79,792	55	5.35
	1958	2,943,051	55,170,380	85,611	56	5.33
	1959	3,170,306	60,345,721	91,390	57	5.25
	1960	4,141,665	67,785,615	95,196	61	6.11
	1961	4,358,812	74,693,800	99,032	64	5.84
	1962	4,613,953	83,051,000	103,415	68	5.56
	1963	4,979,590	96,694,400	108,077	76	5.15
	1964	5,225,074	105,483,200	112,445	80	4.95
Industrial Power	1955	2,934,852	171,202,169	1,681	9,067	1.71
	1956	3,402,416	207,252,224	1,782	9,975	1.64
	1957	3,732,252	225,748,793	2,011	9,920	1.65
	1958	4,410,317	278,005,882	2,113	11,235	1.59
	1959	4,612,172	287,458,107	2,325	10,795	1.60
	1960	5,017,774	325,416,458	2,511	11,215	1.54
	1961	5,414,240	354,069,300	2,475	11,835	1.53
	1962	6,236,466	418,959,700	2,762	13,333	1.49
	1963	7,840,887	555,322,000	3,036	15,963	1.41
	1964	9,782,441	779,264,700	3,139	21,033	1.26

*Consumption for flat-rate water heaters is included on the basis of an estimated 16.8 hours' daily use.

APPENDIX IV—LEGISLATIVE

ORDER IN COUNCIL

The agreements with respect to the supply of power entered into during the year 1964 between The Hydro-Electric Power Commission of Ontario and the municipalities and corporations mentioned in the following list were approved by Order-in-Council.

TOWNSHIPS

Nepean	Sep. 23, 1964
Toronto	Sep. 23, 1964

VILLAGES

Plantagenet	Apr. 1, 1964

CORPORATIONS

Atomic Energy of Canada Limited	May 1, 1964
Atomic Energy of Canada Limited	May 25, 1964
Aunor Gold Mines, Limited	Nov. 2, 1964
Brockville Chemicals Limited	Dec. 10, 1964
Broulan Reef Mines Limited	Dec. 11, 1964
Dominion Foundries and Steel, Limited	Oct. 22, 1964
Dominion Foundries and Steel, Limited	Oct. 22, 1964
Dominion Magnesium Limited	Oct. 22, 1964
Hiho Silver Mines Limited	Jul. 31, 1964
Lake Ontario Portland Cement Company Limited	Mar. 10, 1964
Macassa Gold Mines Limited	Apr. 15, 1964
Marmoraton Mining Company, Ltd.	Jun. 22, 1964
McIntyre Porcupine Mines, Limited	Dec. 31, 1964
Ontario Paper Company, Limited	Aug. 6, 1964
Pax International Mines Limited	Aug 12, 1964
Pittsonto Mining Company Limited	May 8, 1964
Quebec Hydro-Electric Commission	May 15, 1964
Quebec Hydro-Electric Commission	Jun. 11, 1964
Quebec Hydro-Electric Commission	Jun. 11, 1964
Quebec Hydro-Electric Commission	Jun. 26, 1964
Shell Canada Limited	Jul. 29, 1964
Trans-Canada Pipe Lines Limited	Nov. 11, 1964
Willroy Mines Limited	Jul. 21, 1964

SUPPLEMENT

MUNICIPAL ELECTRICAL SERVICE

THIS supplement to the report on the Commission's principal activities deals with retail electrical service, that is the service provided by the associated municipal electrical utilities, and the Commission's retail operations exclusive of rural service, which is dealt with in Section III.

The statistics presented and the analysis that follows are related to operations carried out by the 357 municipally owned utilities, and by the Commission in 28 townships, towns, and villages where the Commission owns the distribution facilities. The 357 municipal utilities, 356 supplied by the Commission at cost and one at a fixed rate, served a total of 1,552,238 retail customers at the close of 1964, and the Commission served an additional 31,357 retail customers in the other 28 communities.

The combined total of 1,583,595 customers within the areas served by the 385 distribution networks referred to in the preceding paragraph is classified by types of service in the table on page 142 and comparative statistics are given for 1964 and for the nine immediately preceding years. Information on financial operations, rates, energy consumption and typical bills is given in the four statements that follow later in this supplement. Statements "A" and "B" include a balance sheet and an operating statement for each of the 357 municipal electrical utilities. Statements "C" and "D", dealing with more general statistics, include as well the municipalities in which the Commission owns the distribution facilities. The population figures quoted are for the most part those recorded in the Municipal Directory for 1965 published by the Department of Municipal Affairs of Ontario.

Municipal Electrical Service

CUSTOMERS, REVENUE AND CONSUMPTION

1955 to 1964

Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
		$	kwh	No.	kwh	¢
Residential	1955	55,241,247	4,667,789,930	970,829	401	1.18
	1956	61,234,494	5,191,581,628	1,031,482	419	1.18
	1957	65,842,103	5,602,672,756	1,072,868	435	1.18
	1958	69,804,608	6,036,470,489	1,139,061	442	1.16
	1959	73,955,229	6,540,969,291	1,194,878	456	1.13
	1960	78,337,615	6,944,659,090	1,234,903	469	1.13
	1961	83,682,550	7,400,028,084	1,307,893	472	1.13
	1962	89,016,406	7,852,651,665	1,346,408	486	1.13
	1963	93,121,018	8,255,600,930	1,382,270	498	1.13
	1964	98,724,259	8,742,950,806	1,434,174	508	1.13
Commercial	1955	28,576,115	1,858,974,388	127,913	1,211	1.54
	1956	31,423,691	2,081,200,929	127,497*	1,360	1.51
	1957	33,901,487	2,270,913,902	124,757*	1,517	1.49
	1958	35,968,060	2,445,225,765	122,446*	1,664	1.47
	1959	38,079,501	2,669,327,226	120,733*	1,842	1.43
	1960	41,229,320	2,921,670,317	123,441*	1,972	1.41
	1961	45,718,484	3,289,119,534	122,863*	2,231	1.39
	1962	49,438,348	3,633,872,392	121,964*	2,483	1.36
	1963	53,130,394	3,983,332,309	123,296*	2,692	1.33
	1964	58,244,181	4,460,958,590	125,555*	2,961	1.31
Industrial Power	1955	44,270,882	4,637,527,118	22,237	17,379	0.96
	1956	47,808,610	5,140,704,025	22,809*	18,782	0.93
	1957	50,124,976	5,366,245,253	22,607*	19,781	0.93
	1958	52,741,979	5,651,743,390	23,077*	20,409	0.93
	1959	61,167,603	7,052,152,034	23,545*	24,960	0.87
	1960	64,057,506	7,326,683,025	23,613*	25,857	0.87
	1961	69,215,271	7,994,001,074	23,179*	28,740	0.87
	1962	74,198,657	8,704,987,001	23,145*	31,342	0.85
	1963	79,740,870	9,581,875,552	23,456*	34,042	0.83
	1964	86,451,270	10,488,380,325	23,866	36,622	0.82

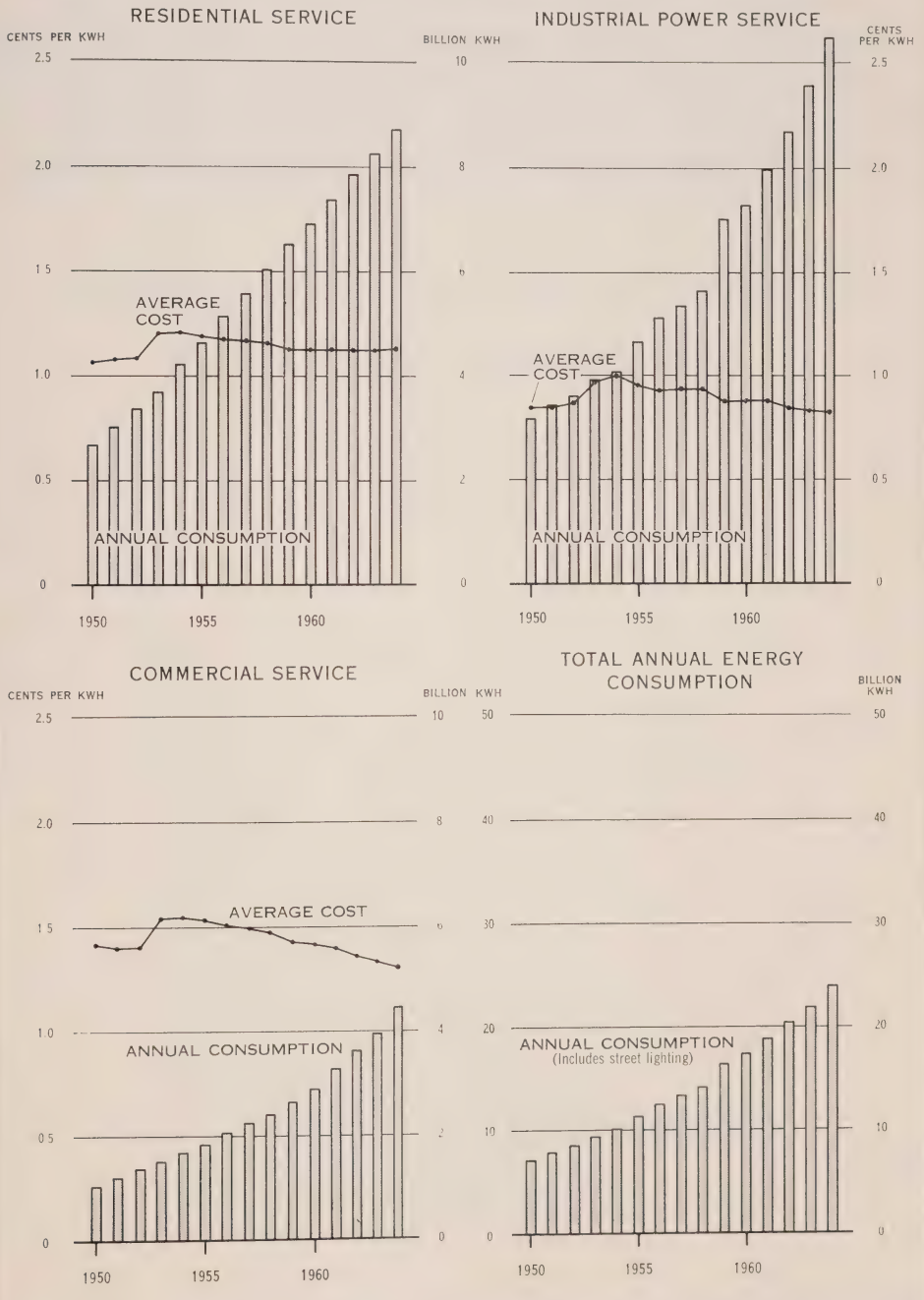
*Irregular variations from year to year in numbers of customers result from reclassifications from commercial to residential and from industrial power to commercial service.

NOTE: Kwh consumption figures for residential and commercial service in the above table reflect the use of flat-rate water heaters for a uniform average of 16.8 hours per day.

For all three classes of service, as indicated in the accompanying table, there were increases in revenue, consumption, number of customers, and average monthly consumption per customer. The rate of growth in consumption exceeded the rate of growth in revenue for commercial and industrial power service, and the two growth rates were approximately equal for residential service so that the average cost per kilowatt-hour declined for commercial and industrial power services, and remained unchanged for residential service. The increases in average monthly consumption per customer, at 2.0 per cent for residential, 10.0 per cent for commercial, and 7.6 per cent for industrial power service were smaller than the corresponding increases in 1963 for residential and industrial power service,

MUNICIPAL ELECTRICAL SERVICE

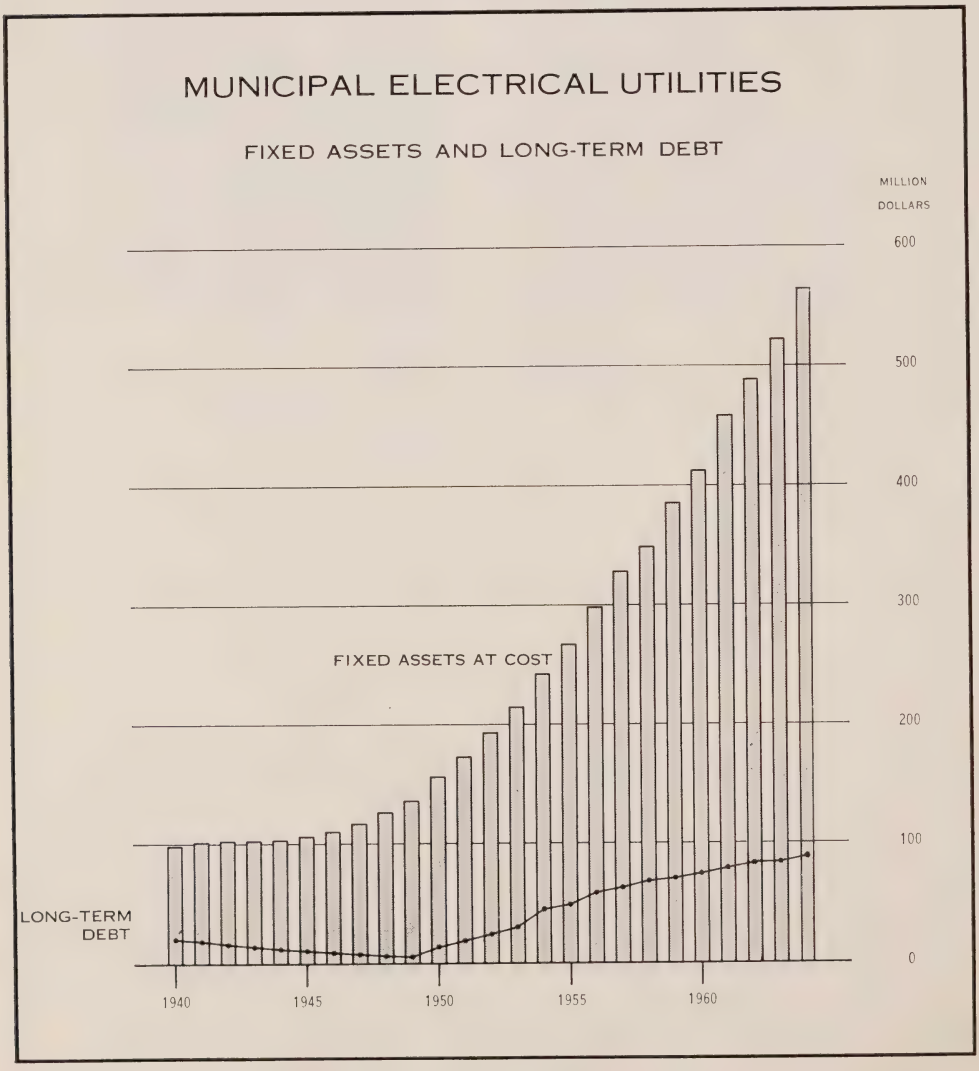
ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



and somewhat smaller than the average for the preceding five years for all three services. The accompanying graphs clearly indicate the steady growth in total annual energy consumption for all three services over the past 15 years, and the relatively steady decline in average cost over the past 10 to 12 years.

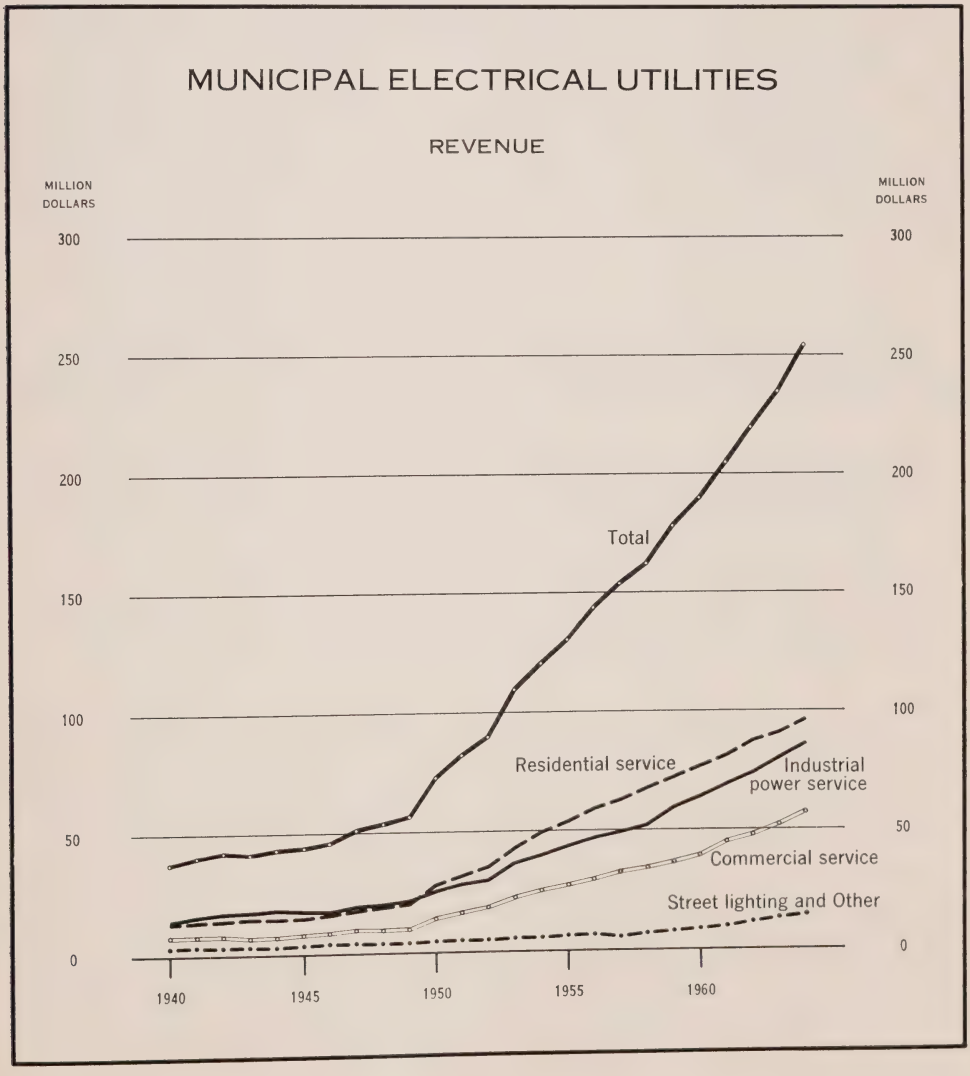
MUNICIPAL ELECTRICAL UTILITIES

The first two of the four statements that comprise the major part of this supplement deal with the financial operations of the 357 municipal electrical utilities. Entitled "Statements A and B" they include a balance sheet and an operating statement for each utility, arranged in alphabetical order. They are summarized on page 149 for convenient comparison with corresponding figures for the previous nine years.



Summary of Financial Position

Total assets of the municipal electrical utilities after deducting accumulated depreciation rose by $58,874,753 during 1964 to a total of $861,270,283. Of this total, $354,153,351 is the sum of the amounts contributed by the utilities in their cost of power over the years for the purpose of retiring the Commission's long-term debt. The amount is included under Contributed Capital in the Commission's Balance Sheet in the item designated Equities Accumulated through Sinking Fund Provisions and Interest. The figure differs from that recorded in the Commission's supporting schedule of Sinking Fund Equities in Appendix II. The difference arises from the fact that utility balance sheet figures for the equity account in Statement "A" are established when the utilities close their accounts at the end of the year and before the Commission's annual calculation



of sinking fund is available. The utilities' figures for this item are, therefore, for the most part for the preceding rather than the current year.

The investment of the municipal electrical utilities in fixed assets at cost increased by $41,376,007 to a total of $564,408,772, against which depreciation of $133,554,046 had been accumulated. Net long-term debt, that is debentures outstanding less local sinking fund set aside for the retirement of debt, rose by $3,902,428 to $81,325,154. In proportion, however, there was an improvement in the net debt relationship to fixed assets at cost, which declined from 14.8 per cent of cost at the end of 1963 to 14.4 per cent at the end of 1964.

Revenue and Cost

Total municipal electrical utility revenues were up by 7.8 per cent. They were derived from the various classes of service as follows:

	Revenue	%
Residential	$96,568,021	38.0
Commercial	57,008,171	22.5
Industrial power	86,116,820	33.9
Street lighting	8,197,281	3.2
Other	6,108,281	2.4
TOTAL	$253,998,574	100.0

Total expense at $234,836,221 was up by 8.6 per cent over expense in 1963, and net income at $19,162,353, relatively unchanged from that in the previous year, was 7.5 per cent of total revenues, as compared with 8.1 per cent in 1963.

A margin of net income provides both an economical source of funds for normal expansion and a stabilizing factor in retail rate adjustment. The Commission takes this into consideration when reviewing municipal retail rates.

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities, and their rates to ultimate customers are subject to the Commission's approval.

The books of account from which the foregoing financial information is derived are kept by the utilities in accordance with a standard accounting system designed by the Commission for use by all its municipal-utility customers. These records are periodically inspected by the Commission's municipal accountants. From time to time adjustments and improvements in accounting procedure and office routine are recommended as required. By providing this type of assistance and supervision, the Commission seeks to ensure the correct application of rates and standard procedures and the observance of a uniform classification of revenues and expenditures. The work carried out by the Commission's municipal accountants on the utilities' behalf does not, however, constitute an audit of their accounts. The municipalities must make their own arrangements for this audit.

MUNICIPAL ELECTRICAL SERVICE

Statistical Tables

MUNICIPAL ELECTRICAL UTILITIES

Year	1955	1956	1957	1958
Number of municipal utilities included	343	350	351	354
A. BALANCE SHEETS				
FIXED ASSETS	$	$	$	$
Plant and facilities at cost	267,090,752	298,832,207	327,925,974	349,706,161
Accumulated depreciation	*62,413,111*	*66,539,420*	*68,075,083*	*72,673,866*
Net fixed assets	204,677,641	232,292,787	258,950,891	277,032,295
CURRENT ASSETS				
Cash on hand and in bank	9,277,807	9,858,536	10,819,896	10,769,037
Investment in government securities	17,392,469	15,512,896	14,174,408	13,333,906
Accounts receivable (net)	9,939,403	12,776,466	12,573,922	13,911,267
Total current assets	36,609,679	38,147,898	37,568,226	38,014,210
OTHER ASSETS				
Inventory of stores	7,900,466	9,681,858	9,579,584	17,237,653
Sinking fund on local debentures	383,751	290,682	561,622	1,033,436
Miscellaneous	2,323,308	2,399,184	1,894,582	2,214,392
Total other assets	10,607,525	12,371,724	12,035,788	20,485,481
Equity in Ontario Hydro Systems	167,250,921	183,262,708	200,293,236	218,736,441
Total	**419,145,766**	**466,075,117**	**508,848,141**	**554,268,427**
LIABILITIES				
Debentures outstanding	49,776,907	58,528,557	63,315,360	69,363,792
Accounts payable	10,574,522	11,633,156	11,226,905	10,105,465
Other	3,493,146	3,910,276	4,207,237	6,175,200
Total liabilities	63,844,575	74,071,989	78,749,502	85,644,457
RESERVES				
Equity in Ontario Hydro Systems	167,250,921	183,262,708	200,293,236	218,736,441
Other	7,765,477	6,948,236	5,658,849	3,507,375
Total reserves	175,016,398	190,210,944	205,952,085	222,243,816
CAPITAL				
Debentures redeemed	66,488,672	69,338,990	72,087,556	75,021,200
Local sinking fund	383,751	290,682	561,622	1,033,436
Accumulated net income invested in plant or held as working funds	114,727,112	132,983,134	152,057,614	170,871,551
Contributed capital	.....	.....	.....	.....
Frequency standardization expense charged this year	*1,314,742*	*820,622*	*560,238*	*546,033*
Total capital	180,284,793	201,792,184	224,146,554	246,380,154
Total	**419,145,766**	**466,075,117**	**508,848,141**	**554,268,427**
B. OPERATING STATEMENTS				
REVENUE				
Sales of electric energy	129,810,298	142,629,092	151,855,664	160,700,759
Other	1,457,199	1,554,347	1,580,224	1,723,986
Total revenue	**131,267,497**	**144,183,439**	**153,435,888**	**162,424,745**
EXPENSE				
Power purchased	79,779,898	87,344,024	92,682,089	98,563,451
Local generation	459,594	501,386	575,771	509,240
Operation and maintenance	12,076,620	13,406,955	14,362,587	15,544,060
Administration	9,896,805	11,015,893	12,086,583	13,654,386
Fixed charges—interest and principal	4,216,877	4,744,936	5,504,842	6,175,773
—depreciation	7,193,495	7,709,546	8,389,004	9,216,594
—other	144,121	59,374	53,525	13,060
Total expense	**113,767,410**	**124,782,114**	**133,654,401**	**143,676,564**
Net income or *net expense*	**17,500,087**	**19,401,325**	**19,781,487**	**18,748,181**
Number of customers	1,089,835	1,153,371	1,192,357	1,255,805

CONSOLIDATED FINANCIAL STATEMENTS 1955-1964

1959	1960	1961	1962	1963	1964
354	354	354	355	355	357
$	$	$	$	$	$
385,419,306	413,611,989	457,392,623	488,393,074	523,032,765	564,408,772
77,551,575	*82,246,973*	*100,165,249*	*109,914,757*	*120,564,846*	*133,554,046*
307,867,731	331,365,016	357,227,374	378,478,317	402,467,919	430,854,726
10,400,010	12,250,801	15,105,454	18,063,961	19,175,569	22,394,390
15,560,183	13,990,120	14,672,152	16,984,376	16,225,459	13,290,755
13,463,791	12,868,807	14,190,953	15,807,380	15,572,525	16,566,500
39,423,984	39,109,728	43,968,559	50,855,717	50,973,553	52,251,645
9,381,215	9,197,511	9,590,459	9,742,156	10,351,372	10,878,773
1,726,182	2,316,958	3,261,509	4,312,070	5,442,451	6,626,453
2,421,279	2,553,588	2,643,494	2,715,626	3,235,378	6,505,335
13,528,676	14,068,057	15,495,462	16,769,852	19,029,201	24,010,561
238,790,589	261,101,650	282,255,861	305,826,987	329,924,857	354,153,351
599,610,980	**645,644,451**	**698,947,256**	**751,930,873**	**802,395,530**	**861,270,283**
70,456,844	74,429,684	81,812,075	83,167,367	82,865,177	87,951,607
10,589,995	10,485,382	12,594,844	12,753,744	12,860,334	14,627,872
6,565,031	7,146,524	7,860,946	8,254,687	8,534,095	9,799,228
87,611,870	92,061,590	102,267,865	104,175,798	104,259,606	112,378,707
238,790,589	261,101,650	282,255,861	305,826,987	329,924,857	354,153,351
2,864,918	2,920,005	2,468,637	2,481,991	2,323,811	2,251,343
241,655,507	264,021,655	284,724,498	308,308,978	332,248,668	356,404,694
77,881,620	81,266,027	84,572,157	88,386,510	92,400,155	96,501,461
1,726,182	2,316,958	3,261,509	4,312,070	5,442,451	6,626,453
190,444,985	205,984,657	224,121,227	246,747,517	258,763,652	278,077,894
.....	.....	.....	.....	9,280,998	11,281,074
290,816	6,436	.....	.....	.....	.....
270,343,603	289,561,206	311,954,893	339,446,097	365,887,256	392,486,882
599,610,980	**645,644,451**	**698,947,256**	**751,930,873**	**802,395,530**	**861,270,283**
175,686,813	186,599,701	201,891,409	216,412,017	230,166,226	247,890,291
2,400,070	2,720,870	3,274,114	4,439,792	5,324,613	6,108,283
178,086,883	**189,320,571**	**205,165,523**	**220,851,809**	**235,490,839**	**253,998,574**
111,160,867	122,634,361	130,857,200	139,291,682	152,433,112	167,184,292
531,076	536,118	529,955	570,500	572,079	564,536
17,065,080	18,273,164	19,486,528	20,760,837	21,989,333	23,527,954
14,954,828	15,766,246	17,342,308	18,482,105	19,550,879	20,367,906
6,824,770	7,440,556	8,203,772	8,912,277	9,135,950	9,678,755
10,030,350	10,750,710	11,466,692	11,655,654	12,557,810	13,486,318
14,316	22,506	81,734	73,080	76,738	26,460
160,581,287	**175,423,661**	**187,968,189**	**199,746,135**	**216,315,601**	**234,836,221**
17,505,596	**13,896,910**	**17,197,334**	**21,105,674**	**19,175,238**	**19,162,353**
1,310,099	1,351,915	1,423,427	1,460,553	1,497,857	1,552,238

Municipal Electrical Utilities Financial

Municipality	Acton	Ailsa Craig	Ajax	Alexandria	Alfred	Alliston
Population	4,295	532	8,523	2,544	993	3,079
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	460,459	52,533	1,072,589	315,390	92,184	278,027
Accumulated depreciation	*91,019*	*4,651*	*296,198*	*99,774*	*27,143*	*82,108*
Net fixed assets	369,440	47,882	776,391	215,616	65,041	195,919
CURRENT ASSETS						
Cash on hand and in bank	84,625	10,796	76,729	4,721	9,256	10,219
Investment in government securities	25,000	.....	850	13,000	.....	18,000
Accounts receivable (net)	5,244	37	57,145	2,764	3,616	4,327
Total current assets	114,869	10,833	134,724	20,485	12,872	32,546
OTHER ASSETS						
Inventory of stores	923	.....	23,371	8,688	.....	6,724
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	579	330	4,666	220	519	545
Total other assets	1,502	330	28,037	8,908	519	7,269
Equity in Ontario Hydro Systems	488,422	58,195	198,060	194,336	16,791	193,669
Total	**974,233**	**117,240**	**1,137,212**	**439,345**	**95,223**	**429,403**
LIABILITIES						
Debentures outstanding	49,600	.....	339,000	.....	24,500	.....
Accounts payable	21,037	.....	8,979	2,103	641	15
Other	10,370	1,788	61,875	12,871	1,870	5,717
Total liabilities	81,007	1,788	409,854	14,974	27,011	5,732
RESERVES						
Equity in Ontario Hydro Systems	488,422	58,195	198,060	194,336	16,791	193,669
Other	.....	.....	4,356	.....	.....	.....
Total reserves	488,422	58,195	202,416	194,336	16,791	193,669
CAPITAL						
Debentures redeemed	34,339	6,883	108,674	53,078	13,500	29,989
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	354,201	50,374	347,010	176,957	37,021	200,013
Contributed capital	16,264	.....	69,258	.....	900	.....
Total capital	404,804	57,257	524,942	230,035	51,421	230,002
Total	**974,233**	**117,240**	**1,137,212**	**439,345**	**95,223**	**429,403**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	286,909	23,684	417,682	130,313	41,317	175,449
Other	7,170	189	13,657	6,209	308	5,241
Total revenue	**294,079**	**23,873**	**431,339**	**136,522**	**41,625**	**180,690**
EXPENSE						
Power purchased	206,167	16,142	287,791	101,953	28,462	125,438
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	26,213	2,504	36,850	9,052	1,934	16,540
Administration	14,740	1,279	54,918	12,285	3,424	17,187
Fixed charges—interest and principal	5,264	.....	36,273	.....	3,188	.....
—depreciation	10,388	1,339	25,867	8,032	2,872	6,520
—other	.....	.....	.....	.....	.....	.....
Total expense	**262,772**	**21,264**	**441,699**	**131,322**	**39,880**	**165,685**
Net income or *net expense*	**31,307**	**2,609**	***10,360***	**5,200**	**1,745**	**15,005**
Number of customers	1,344	231	2,441	984	319	1,202

Statements for the Year Ended December 31, 1964

Almonte	Alvinston	Amherst-burg	Ancaster Twp.	Apple Hill	Arkona	Arnprior	Arthur	Athens
3,529	640	4,440	14,360	400	463	5,576	1,270	981
$	$	$	$	$	$	$	$	$
474,972	72,476	493,225	301,091	25,660	50,795	533,570	135,095	75,461
110,193	*23,948*	*119,317*	*71,016*	*8,683*	*15,067*	*109,136*	*32,384*	*16,154*
364,779	48,528	373,908	230,075	16,977	35,728	424,434	102,711	59,307
18,888	5,599	30,871	35,387	9,007	7,775	76,317	3,119	16
33,000	3,500	27,946	.....	.....	7,000	.....	10,000	10,000
6,792	621	1,552	9,139	310	1,770	10,279	1,440	575
58,680	9,720	60,369	44,526	9,317	16,545	86,596	14,559	10,591
11,843	.....	8,103	366	.....	.....	2,915	568	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	120	51	.....	.....	.....	673	10
11,843	.....	8,223	417	.....	.....	2,915	1,241	10
91,646	64,637	392,003	176,747	16,102	41,124	307,199	97,402	45,796
526,948	**122,885**	**834,503**	**451,765**	**42,396**	**93,397**	**821,144**	**215,913**	**115,704**
.....	.....	4,100	51,040	.....	.....	44,335	11,400	.....
9,057	223	746	102	30	77	4,085	225	83
2,047	103	4,133	2,729	37	45	8,203	713	399
11,104	326	8,979	53,871	67	122	56,623	12,338	482
91,646	64,637	392,003	176,747	16,102	41,124	307,199	97,402	45,796
392	.....	.....	.....	.....	.....	942	.....	.....
92,038	64,637	392,003	176,747	16,102	41,124	308,141	97,402	45,796
72,000	23,529	64,258	77,206	5,080	13,113	100,909	24,513	12,988
.....	.....	.....	.....	.....	.....	.....	.....	.....
350,806	33,232	369,263	143,941	21,147	39,038	345,847	81,660	56,438
1,000	1,161	.....	.....	.....	.....	9,624	.....	.....
423,806	57,922	433,521	221,147	26,227	52,151	456,380	106,173	69,426
526,948	**122,885**	**834,503**	**451,765**	**42,396**	**93,397**	**821,144**	**215,913**	**115,704**
150,771	20,519	231,517	157,650	7,744	23,557	256,771	50,865	27,444
2,860	197	3,874	1,684	88	285	6,739	569	511
153,631	**20,716**	**235,391**	**159,334**	**7,832**	**23,842**	**263,510**	**51,434**	**27,955**
87,456	9,518	162,743	101,930	4,521	16,389	201,225	32,604	23,784
11,112	.....	.....	.....	.....	.....	.....	.....	.....
11,881	1,650	14,624	11,191	904	1,312	13,708	5,762	1,046
14,836	3,200	25,136	11,560	1,125	1,083	17,341	3,306	1,696
.....	.....	1,491	9,102	.....	.....	5,509	1,167	.....
11,592	2,307	11,876	8,388	789	1,571	14,687	3,764	2,057
.....	.....	.....	.....	.....	.....	.....	.....	.....
136,877	**16,675**	**215,870**	**142,171**	**7,339**	**20,355**	**252,470**	**46,603**	**28,583**
16,754	**4,041**	**19,521**	**17,163**	**493**	**3,487**	**11,040**	**4,831**	***628***
1,145	331	1,426	1,134	118	197	1,807	543	374

Municipal Electrical Utilities Financial

Municipality	Atikokan	Aurora	Avonmore	Aylmer	Ayr	Baden
Population	5,959	9,875	242	4,558	1,078	920
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	582,005	777,863	28,288	411,108	93,326	89,638
Accumulated depreciation	*156,055*	*182,636*	*8,901*	*143,542*	*18,073*	*20,642*
Net fixed assets	425,950	595,227	19,387	267,566	75,253	68,996
CURRENT ASSETS						
Cash on hand and in bank	92,553	190,501	1,455	63,101	50	6,522
Investment in government securities	50,000	.....	.....	.....	10,500	9,500
Accounts receivable (net)	9,982	4,304	1,084	4,647	537	407
Total current assets	152,535	194,805	2,539	67,748	11,087	16,429
OTHER ASSETS						
Inventory of stores	600	664	.....	177	18	130
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	14,632	4,404	479	517	3,579	53
Total other assets	15,232	5,068	479	694	3,597	183
Equity in Ontario Hydro Systems	147,990	290,456	7,447	375,259	86,820	134,389
Total	**741,707**	**1,085,556**	**29,852**	**711,267**	**176,757**	**219,997**
LIABILITIES						
Debentures outstanding	285,000	201,000	11,500	29,000	.....	.....
Accounts payable	5,156	5,814	2	253	2,328	3
Other	52,491	17,570	977	3,493	880	230
Total liabilities	342,647	224,384	12,479	32,746	3,208	233
RESERVES						
Equity in Ontario Hydro Systems	147,990	290,456	7,447	375,259	86,820	134,389
Other	.....	.....	.....	.....	.....	.....
Total reserves	147,990	290,456	7,447	375,259	86,820	134,389
CAPITAL						
Debentures redeemed	115,000	22,976	2,500	59,702	17,503	5,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	131,186	528,949	7,426	240,134	69,226	80,375
Contributed capital	4,884	18,791	.....	3,426	.....	.....
Total capital	251,070	570,716	9,926	303,262	86,729	85,375
Total	**741,707**	**1,085,556**	**29,852**	**711,267**	**176,757**	**219,997**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	281,045	406,271	13,551	260,292	49,781	45,261
Other	11,362	23,797	106	2,997	930	395
Total revenue	**292,407**	**430,068**	**13,657**	**263,289**	**50,711**	**45,656**
EXPENSE						
Power purchased	174,184	272,584	7,887	177,517	35,080	33,623
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	22,565	34,135	1,483	21,903	6,025	2,720
Administration	35,870	27,419	916	14,420	4,142	3,710
Fixed charges—interest and principal	34,734	19,560	1,218	4,840	.....	.....
—depreciation	15,773	17,771	830	11,978	2,561	2,260
—other	.....	.....	.....	.....	.....	.....
Total expense	**283,126**	**371,469**	**12,334**	**230,658**	**47,808**	**42,313**
Net income or *net expense*	**9,281**	**58,599**	**1,323**	**32,631**	**2,903**	**3,343**
Number of customers	1,690	2,870	112	1,573	397	296

Statements for the Year Ended December 31, 1964

Bancroft	Barrie	Barry's Bay	Bath	Beachburg	Beachville	Beamsville	Beaverton	Beeton
2,275	23,502	1,381	703	546	903	3,441	1,182	929
$	$	$	$	$	$	$	$	$
361,789	2,468,755	100,434	78,900	68,781	120,066	263,905	152,775	78,828
99,588	*689,232*	*14,988*	*17,613*	*21,040*	*41,715*	*78,129*	*35,207*	*14,925*
262,201	1,779,523	85,446	61,287	47,741	78,351	185,776	117,568	63,903
38,687	17,639	6,562	15,722	11,383	45,488	14,414	12,101	7,676
.....	.....	.....	.....	.....	39,000	.....	10,000	13,955
11,185	43,751	3,636	766	60	1,274	1,112	392	987
49,872	61,390	10,198	16,488	11,443	85,762	15,526	22,493	22,618
9,943	35,432	.....	.....	.....	458	.....	180	188
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,307	2,970	.....	600	1,465	.....	.....	350	590
12,250	38,402	.....	600	1,465	458	.....	530	778
61,755	1,334,472	21,174	25,461	14,744	242,607	119,873	114,317	74,864
386,078	**3,213,787**	**116,818**	**103,836**	**75,393**	**407,178**	**321,175**	**254,908**	**162,163**
50,250	.....	.....	6,000	45,850	.....	.....	.....	.....
420	9,169	3,373	423	63	333	32,845	.....	905
2,589	185,412	200	717	50	680	1,837	880	994
53,259	194,581	3,573	7,140	45,963	1,013	34,682	880	1,899
61,755	1,334,472	21,174	25,461	14,744	242,607	119,873	114,317	74,864
.....	.....	.....	.....	.....	.....	.....	.....	.....
61,755	1,334,472	21,174	25,461	14,744	242,607	119,873	114,317	74,864
82,250	65,366	7,500	11,500	6,150	5,537	37,500	12,839	13,610
.....	.....	.....	.....	.....	.....	.....	.....	.....
183,745	1,619,368	84,294	51,466	8,536	156,407	129,120	126,872	71,790
5,069	.....	277	8,269	.....	1,614	.....	.....	.....
271,064	1,684,734	92,071	71,235	14,686	163,558	166,620	139,711	85,400
386,078	**3,213,787**	**116,818**	**103,836**	**75,393**	**407,178**	**321,175**	**254,908**	**162,163**
101,791	1,131,978	28,816	27,843	24,563	109,893	129,659	81,427	32,788
2,574	26,926	453	117	260	3,236	3,238	2,229	982
104,365	**1,158,904**	**29,269**	**27,960**	**24,823**	**113,129**	**132,897**	**83,656**	**33,770**
58,518	784,683	21,698	17,569	16,388	99,356	77,125	58,900	22,096
3,713	.....	.....	.....	.....	.....	.....	.....	.....
6,816	130,269	2,753	1,215	941	2,614	10,291	5,042	1,859
12,325	96,356	3,444	1,991	1,349	2,654	12,913	4,989	1,970
9,576	8,433	.....	857	4,500	.....	.....	.....	.....
9,379	59,575	2,648	2,394	1,943	3,713	7,305	4,119	2,132
.....	.....	.....	.....	.....	.....	.....	.....	.....
100,327	**1,079,316**	**30,543**	**24,026**	**25,121**	**108,337**	**107,634**	**73,050**	**28,057**
4,038	**79,588**	***1,274***	**3,934**	***298***	**4,792**	**25,263**	**10,606**	**5,713**
754	7,895	448	260	221	313	1,190	608	324

Municipal Electrical Utilities Financial

Municipality	Belle River	Belleville	Belmont	Blenheim	Bloomfield	Blyth
Population	2,018	31,960	726	3,341	776	775
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	142,689	3,041,163	72,224	353,403	64,579	79,697
Accumulated depreciation	*27,141*	*710,242*	*16,530*	*79,823*	*24,584*	*21,128*
Net fixed assets	115,548	2,330,921	55,694	273,580	39,995	58,569
CURRENT ASSETS						
Cash on hand and in bank	797	.....	11,699	23,009	5,137	5,830
Investment in government securities	7,000	.....	.....	9,817	6,993	9,325
Accounts receivable (net)	1,321	66,438	1,074	3,549	289	315
Total current assets	9,118	66,438	12,773	36,375	12,419	15,470
OTHER ASSETS						
Inventory of stores	608	35,573	.....	1,783	450	29
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	5,044	6,193	252	404	.....
Total other assets	608	40,617	6,193	2,035	854	29
Equity in Ontario Hydro Systems	82,395	1,786,460	12,807	206,673	48,545	74,533
Total	**207,669**	**4,224,436**	**87,467**	**518,663**	**101,813**	**148,601**
LIABILITIES						
Debentures outstanding	.....	364,000	53,500	27,494	.....	.....
Accounts payable	667	64,293	570	19	.....	131
Other	782	58,939	3,173	6,806	595	210
Total liabilities	1,449	487,232	57,243	34,319	595	341
RESERVES						
Equity in Ontario Hydro Systems	82,395	1,786,460	12,807	206,673	48,545	74,533
Other	.....	.....	.....	.....	.....	.....
Total reserves	82,395	1,786,460	12,807	206,673	48,545	74,533
CAPITAL						
Debentures redeemed	19,555	210,997	1,500	70,966	9,797	16,033
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	104,270	1,726,451	14,096	206,705	42,876	57,694
Contributed capital	.....	13,296	1,821	.....	.....	.....
Total capital	123,825	1,950,744	17,417	277,671	52,673	73,727
Total	**207,669**	**4,224,436**	**87,467**	**518,663**	**101,813**	**148,601**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	64,972	1,338,384	71,628	128,506	24,636	45,486
Other	993	38,412	1,461	4,215	380	861
Total revenue	**65,965**	**1,376,796**	**73,089**	**132,721**	**25,016**	**46,347**
EXPENSE						
Power purchased	39,276	971,130	48,001	73,255	18,271	36,032
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	6,938	125,191	3,029	18,149	1,807	5,562
Administration	7,787	112,966	2,468	18,782	2,697	2,487
Fixed charges—interest and principal	247	33,735	6,148	5,959	.....	.....
—depreciation	3,567	70,261	1,736	9,720	2,077	2,277
—other	.....	.....	.....	.....	.....	.....
Total expense	**57,815**	**1,313,283**	**61,382**	**125,865**	**24,852**	**46,358**
Net income or *net expense*	**8,150**	**63,513**	**11,707**	**6,856**	**164**	***11***
Number of customers	747	10,601	237	1,216	312	340

Statements for the Year Ended December 31, 1964

Bobcaygeon	Bolton	Bothwell	Bowmanville	Bracebridge	Bradford	Braeside	Brampton	Brantford
1,229	2,075	808	7,872	3,110	2,379	538	29,634	56,070
$	$	$	$	$	$	$	$	$
253,439	207,913	85,190	841,736	926,016	308,588	44,280	4,008,359	5,767,950
74,017	*45,964*	*28,111*	*315,648*	*248,532*	*78,379*	*5,269*	*532,554*	*1,512,064*
179,422	161,949	57,079	526,088	677,484	230,209	39,011	3,475,805	4,255,886
9,312	5,179	6,012	14,256	30,159	27,219	8,794	45,091	314,406
.....	.....	.....	99,374	.....	8,000	10,000	.....	32,000
1,272	2,313	1,490	6,247	9,779	6,454	7,649	61,085	99,577
10,584	7,492	7,502	119,877	39,938	41,673	26,443	106,176	445,983
3,128	444	116	15,465	10,342	9,700	.....	107,346	89,068
.....	.....	.....	.....	.....	.....	.....	.....	.....
3,890	2,768	118	958	9,959	821	515	22,561	3,333
7,018	3,212	234	16,423	20,301	10,521	515	129,907	92,401
45,365	102,308	68,438	629,017	5,322	154,096	50,415	1,129,165	5,637,108
242,389	**274,961**	**133,253**	**1,291,405**	**743,045**	**436,499**	**116,384**	**4,841,053**	**10,431,378**
78,300	55,446	.....	.....	175,343	.....	.....	1,709,000	364,598
802	700	899	6,880	.....	591	135	204,328	21,418
8,613	3,944	59	5,091	30	2,900	212	248,185	95,031
87,715	60,090	958	11,971	175,373	3,491	347	2,161,513	481,047
45,365	102,308	68,438	629,017	5,322	154,096	50,415	1,129,165	5,637,108
.....	.....	.....	.....	.....	.....	.....	.....	.....
45,365	102,308	68,438	629,017	5,322	154,096	50,415	1,129,165	5,637,108
10,700	26,403	5,534	71,000	330,457	23,351	6,000	264,800	1,080,085
.....	.....	.....	.....	.....	.....	.....	.....	.....
95,485	81,963	58,173	579,417	231,893	254,913	59,622	1,248,728	3,149,747
3,124	4,197	150	.....	.....	648	.....	36,847	83,391
109,309	112,563	63,857	650,417	562,350	278,912	65,622	1,550,375	4,313,223
242,389	**274,961**	**133,253**	**1,291,405**	**743,045**	**436,499**	**116,384**	**4,841,053**	**10,431,378**
76,659	101,681	30,729	369,083	160,464	123,036	69,175	1,477,952	2,628,364
1,348	2,868	1,099	16,805	3,990	2,469	1,265	22,096	37,505
78,007	**104,549**	**31,828**	**385,888**	**164,454**	**125,505**	**70,440**	**1,500,048**	**2,665,869**
43,824	62,552	18,420	300,585	16,502	81,188	63,264	990,723	1,909,681
.....	.....	.....	.....	37,031	.....	.....	.....	.....
8,360	11,251	3,222	47,553	28,590	14,225	1,461	123,578	188,639
8,433	10,192	4,638	18,274	16,992	13,606	1,600	98,215	122,819
8,372	6,205	50	.....	29,100	.....	441	149,641	60,495
7,788	5,226	2,319	22,222	21,094	6,987	1,208	69,158	146,547
.....	.....	.....	.....	.....	.....	.....	.....	.....
76,777	**95,426**	**28,649**	**388,634**	**149,309**	**116,006**	**67,974**	**1,431,315**	**2,428,181**
1,230	**9,123**	**3,179**	***2,746***	**15,145**	**9,499**	**2,466**	**68,733**	**237,688**
762	693	338	2,660	1,209	875	157	8,421	18,152

Municipal Electrical Utilities Financial

Municipality	Brantford Twp.	Brechin	Bridgeport	Brigden	Brighton	Brockville
Population	8,344	241	1,821	548	2,674	18,753
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	1,293,059	23,064	118,438	53,896	269,960	2,322,889
Accumulated depreciation	*370,039*	*5,194*	*30,772*	*14,151*	*48,736*	*483,639*
Net fixed assets	923,020	17,870	87,666	39,745	221,224	1,839,250
CURRENT ASSETS						
Cash on hand and in bank	107,744	2,003	6,469	7,119	913	4,507
Investment in government securities	.....	9,500	.....	5,358	.....	12,000
Accounts receivable (net)	7,064	170	402	336	4,374	44,954
Total current assets	114,808	11,673	6,871	12,813	5,287	61,461
OTHER ASSETS						
Inventory of stores	26,731	.....	52	.....	7,408	41,483
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	534	200	322	.....	1,980	7,365
Total other assets	27,265	200	374	.....	9,388	48,848
Equity in Ontario Hydro Systems	345,703	23,154	70,493	49,049	129,592	1,422,759
Total	**1,410,796**	**52,897**	**165,404**	**101,607**	**365,491**	**3,372,318**
LIABILITIES						
Debentures outstanding	389,701	.....	21,430	.....	34,000	558,000
Accounts payable	3,993	1	466	57	4,082	5,839
Other	25,539	245	3,108	202	3,469	40,052
Total liabilities	419,238	246	25,004	259	41,551	603,891
RESERVES						
Equity in Ontario Hydro Systems	345,703	23,154	70,493	49,049	129,592	1,422,759
Other	.....	.....	.....	.....	.....	.....
Total reserves	345,703	23,154	70,493	49,049	129,592	1,422,759
CAPITAL						
Debentures redeemed	165,656	2,664	18,220	8,000	31,000	272,570
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	462,523	26,833	51,687	44,299	153,348	1,070,925
Contributed capital	17,676	.....	.....	.....	10,000	2,173
Total capital	645,855	29,497	69,907	52,299	194,348	1,345,668
Total	**1,410,796**	**52,897**	**165,404**	**101,607**	**365,491**	**3,372,318**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	524,452	8,056	63,986	18,388	104,374	989,694
Other	3,911	349	253	411	1,688	33,971
Total revenue	**528,363**	**8,405**	**64,239**	**18,799**	**106,062**	**1,023,665**
EXPENSE						
Power purchased	309,417	5,563	43,236	10,596	70,059	664,767
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	39,152	777	3,877	1,176	9,225	84,843
Administration	31,725	863	8,216	2,170	10,299	94,775
Fixed charges—interest and principal	42,756	.....	1,846	.....	3,524	66,316
—depreciation	37,378	657	3,439	1,627	6,318	50,740
—other	.....	.....	.....	.....	.....	.....
Total expense	**460,428**	**7,860**	**60,614**	**15,569**	**99,425**	**961,441**
Net income or *net expense*	**67,935**	**545**	**3,625**	**3,230**	**6,637**	**62,224**
Number of customers	2,506	99	509	211	1,037	6,391

Statements for the Year Ended December 31, 1964

Brussels	Burford	Burgessville	Burk's Falls	Burlington	Cache Bay	Caledonia	Campbell-ford	Campbell-ville
846	1,061	279	1,004	54,864	753	2,485	3,486	261
$	$	$	$	$	$	$	$	$
97,100	111,146	30,556	87,978	5,585,622	59,004	200,730	751,779	22,464
8,683	*32,643*	*9,375*	*21,382*	*1,051,638*	*17,344*	*53,635*	*189,110*	*4,932*
88,417	78,503	21,181	66,596	4,533,984	41,660	147,095	562,669	17,532
6,880	4,946	4,809	15,075	101,363	5,405	9,459	114,633	1,579
.....	3,500	1,500	4,900	37,500	22,491	.....	.....	2,432
1,118	462	196	1,653	89,542	3,382	3,140	9,196	607
7,998	8,908	6,505	21,628	228,405	31,278	12,599	123,829	4,618
158	71	.....	.....	72,740	524	179	11,938	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
100	.....	47	300	81,388	.....	.....	2,431	115
258	71	47	300	154,128	524	179	14,369	115
85,696	87,747	27,432	32,306	1,250,245	8,239	129,390	17,421	19,399
182,369	**175,229**	**55,165**	**120,830**	**6,166,762**	**81,701**	**289,263**	**718,288**	**41,664**
4,000	8,358	.....	.....	1,749,700	.....	500	134,900	.....
11,013	294	44	623	18,433	285	344	3,023	181
1,169	1,376	.....	261	217,666	30	2,397	8,705	.....
16,182	10,028	44	884	1,985,799	315	3,241	146,628	181
85,696	87,747	27,432	32,306	1,250,245	8,239	129,390	17,421	19,399
.....	.....	.....	.....	.....	.....	.....	.....	.....
85,696	87,747	27,432	32,306	1,250,245	8,239	129,390	17,421	19,399
24,000	12,496	3,500	29,147	580,644	25,359	15,025	17,600	5,448
.....	.....	.....	.....	.....	.....	.....	.....	.....
56,491	64,958	24,189	58,493	2,341,926	47,788	141,607	536,639	16,636
.....	.....	.....	.....	8,148	.....	.....	.....	.....
80,491	77,454	27,689	87,640	2,930,718	73,147	156,632	554,239	22,084
182,369	**175,229**	**55,165**	**120,830**	**6,166,762**	**81,701**	**289,263**	**718,288**	**41,664**
43,126	50,460	12,440	48,043	2,618,156	30,827	78,362	152,195	10,247
303	2,184	352	637	61,037	1,090	623	8,100	250
43,429	**52,644**	**12,792**	**48,680**	**2,679,193**	**31,917**	**78,985**	**160,295**	**10,497**
31,738	35,439	8,730	30,233	1,659,276	20,090	48,462	37,124	7,101
.....	.....	.....	.....	.....	.....	.....	14,890	.....
4,436	5,499	785	4,142	186,272	2,051	8,532	14,444	888
2,526	3,606	1,449	4,092	176,698	2,875	9,792	34,782	838
1,243	1,228	.....	3,039	191,357	2,083	538	12,730	.....
2,430	2,794	901	2,447	126,330	1,893	5,425	14,785	652
.....	.....	.....	.....	.....	.....	.....	.....	.....
42,373	**48,566**	**11,865**	**43,953**	**2,339,933**	**28,992**	**72,749**	**128,755**	**9,479**
1,056	**4,078**	**927**	**4,727**	**339,260**	**2,925**	**6,236**	**31,540**	**1,018**
377	425	104	370	15,828	193	892	1,366	87

Municipal Electrical Utilities Financial

Municipality	Cannington	Capreol	Cardinal	Carleton Place	Casselman	Cayuga
Population	1,050	3,014	1,960	4,844	1,300	994
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	90,436	284,765	94,662	363,698	106,149	109,684
Accumulated depreciation	*23,632*	*55,200*	*21,537*	*83,241*	*21,487*	*27,947*
Net fixed assets	66,804	229,565	73,125	280,457	84,662	81,737
CURRENT ASSETS						
Cash on hand and in bank	17,633	30,431	2,680	8,694	17,972	2,008
Investment in government securities	13,000	.....	1,500	15,100	14,000	6,000
Accounts receivable (net)	190	498	534	10,848	9	567
Total current assets	30,823	30,929	4,714	34,642	31,981	8,575
OTHER ASSETS						
Inventory of stores	.....	.....	.....	8,607	.....	343
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	300	5,916	.....	248	4,838	.....
Total other assets	300	5,916	.....	8,855	4,838	343
Equity in Ontario Hydro Systems	79,004	30,703	84,901	486,783	31,359	60,771
Total	**176,931**	**297,113**	**162,740**	**810,737**	**152,840**	**151,426**
LIABILITIES						
Debentures outstanding	.....	70,000	.....	46,250	35,500	.....
Accounts payable	299	517	.....	.....	.....	2,310
Other	530	7,177	210	5,077	85	998
Total liabilities	829	77,694	210	51,327	35,585	3,308
RESERVES						
Equity in Ontario Hydro Systems	79,004	30,703	84,901	486,783	31,359	60,771
Other	.....	.....	.....	.....	.....	.....
Total reserves	79,004	30,703	84,901	486,783	31,359	60,771
CAPITAL						
Debentures redeemed	14,532	52,000	11,014	62,047	34,500	20,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	82,566	136,716	66,615	202,913	51,396	67,347
Contributed capital	.....	.....	.....	7,667	.....	.....
Total capital	97,098	188,716	77,629	272,627	85,896	87,347
Total	**176,931**	**297,113**	**162,740**	**810,737**	**152,840**	**151,426**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	40,200	128,540	49,949	209,673	55,535	41,348
Other	1,081	1,674	246	973	1,665	409
Total revenue	**41,281**	**130,214**	**50,195**	**210,646**	**57,200**	**41,757**
EXPENSE						
Power purchased	28,609	82,585	39,682	148,858	37,849	24,661
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	2,807	6,645	4,451	20,388	2,554	5,013
Administration	3,537	15,552	4,594	19,789	4,201	5,787
Fixed charges—interest and principal	.....	8,938	.....	1,916	5,450	.....
—depreciation	2,703	6,970	2,682	9,231	2,817	3,107
—other	.....	.....	.....	.....	.....	.....
Total expense	**37,656**	**120,690**	**51,409**	**200,182**	**52,871**	**38,568**
Net income or *net expense*	**3,625**	**9,524**	***1,214***	**10,464**	**4,329**	**3,189**
Number of customers	450	1,023	677	1,778	390	396

Statements for the Year Ended December 31, 1964

Chalk River 1,154	Chapleau Twp. 3,656	Chatham 30,534	Chatsworth 391	Chesley 1,777	Chesterville 1,296	Chippawa 3,648	Clifford 545	Clinton 3,552
$	$	$	$	$	$	$	$	$
78,426	175,179	3,673,640	36,413	129,791	115,601	269,687	53,110	378,688
21,970	*19,226*	*981,052*	*10,875*	*50,490*	*25,540*	*56,119*	*15,123*	*94,955*
56,456	155,953	2,692,588	25,538	79,301	90,061	213,568	37,987	283,733
3,912	40,086	40,934	11,410	14,605	13,943	26,124	14,708	26,965
.....	.....	140,000	6,000	39,835	6,000	.....	3,000	.....
154	2,346	206,632	1,064	1,374	5,956	2,376	165	2,213
4,066	42,432	387,566	18,474	55,814	25,899	28,500	17,873	29,178
.....	.....	104,977	.....	720	.....	396	.....	6,639
.....	.....	.....	.....	.....	.....	.....	.....	.....
3,234	4,574	45,578	300	.....	.....	835	.....	220
3,234	4,574	150,555	300	720	.....	1,231	.....	6,859
20,904	.....	2,342,609	32,131	188,671	145,749	114,893	49,018	272,221
84,660	**202,959**	**5,573,318**	**76,443**	**324,506**	**261,709**	**358,192**	**104,878**	**591,991**
40,000	76,000	435,169	.....	.....	.....	52,700	4,553	38,100
77	298	7,204	.....	16	7,474	3,294	86	239
469	4,830	40,285	238	390	411	5,256	331	10,145
40,546	81,128	482,658	238	406	7,885	61,250	4,970	48,484
20,904	.....	2,342,609	32,131	188,671	145,749	114,893	49,018	272,221
.....	.....	1,000	.....	.....	.....	.....	.....	.....
20,904	.....	2,343,609	32,131	188,671	145,749	114,893	49,018	272,221
15,000	39,000	1,084,831	5,014	24,410	5,889	25,650	10,376	83,573
.....	.....	.....	.....	.....	.....	.....	.....	.....
8,210	81,552	1,662,220	39,060	111,019	102,186	143,905	40,514	186,944
.....	1,279	.....	.....	.....	.....	12,494	.....	769
23,210	121,831	2,747,051	44,074	135,429	108,075	182,049	50,890	271,286
84,660	**202,959**	**5,573,318**	**76,443**	**324,506**	**261,709**	**358,192**	**104,878**	**591,991**
34,201	191,842	1,847,666	17,298	74,575	82,293	107,268	24,092	162,152
368	1,916	31,959	400	2,378	579	1,261	976	5,959
34,569	**193,758**	**1,879,625**	**17,698**	**76,953**	**82,872**	**108,529**	**25,068**	**168,111**
22,563	140,104	940,263	10,959	48,427	68,497	64,194	18,015	104,773
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,327	18,139	379,102	1,434	8,567	3,826	13,664	1,054	14,515
1,861	16,394	248,538	1,475	7,226	5,366	6,660	1,391	15,388
4,838	9,740	82,455	.....	.....	.....	7,022	568	6,791
2,343	4,443	84,113	1,084	4,009	3,091	7,253	1,438	9,153
.....	.....	.....	.....	.....	.....	.....	.....	.....
32,932	**188,820**	**1,734,471**	**14,952**	**68,229**	**80,780**	**98,793**	**22,466**	**150,620**
1,637	**4,938**	**145,154**	**2,746**	**8,724**	**2,092**	**9,736**	**2,602**	**17,491**
292	1,053	10,164	179	738	477	1,133	234	1,256

Municipal Electrical Utilities Financial

Municipality	Cobden	Cobourg	Cochrane	Colborne	Coldwater	Collingwood
Population	925	10,020	4,693	1,425	786	8,381
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	81,137	1,203,315	512,010	127,430	59,888	783,043
Accumulated depreciation	*17,163*	*333,510*	*96,273*	*19,218*	*13,387*	*169,870*
Net fixed assets	63,974	869,805	415,737	108,212	46,501	613,173
CURRENT ASSETS						
Cash on hand and in bank	5,350	58,156	2,179	1,436	6,022	300
Investment in government securities	6,000	10,000	19,616	.....	24,400	38,000
Accounts receivable (net)	350	18,592	21,845	7,453	1,655	6,928
Total current assets	11,700	86,748	43,640	8,889	32,077	45,228
OTHER ASSETS						
Inventory of stores	.....	14,665	18,850	15,100	.....	21,743
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	2,253	11,795	.....	300	1,603
Total other assets	.....	16,918	30,645	15,100	300	23,346
Equity in Ontario Hydro Systems	43,590	726,767	38,048	73,599	67,857	732,926
Total	**119,264**	**1,700,238**	**528,070**	**205,800**	**146,735**	**1,414,673**
LIABILITIES						
Debentures outstanding	.....	.....	64,000	.....	.....	.....
Accounts payable	580	1,741	5,228	1,025	.....	8,647
Other	429	14,879	17,215	1,959	325	8,770
Total liabilities	1,009	16,620	86,443	2,984	325	17,417
RESERVES						
Equity in Ontario Hydro Systems	43,590	726,767	38,048	73,599	67,857	732,926
Other	.....	.....	.....	.....	.....	.....
Total reserves	43,590	726,767	38,048	73,599	67,857	732,926
CAPITAL						
Debentures redeemed	4,949	105,994	81,000	12,195	6,868	38,183
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	69,716	850,857	322,579	116,421	71,685	626,147
Contributed capital	.....	.....	.....	601	.....	.....
Total capital	74,665	956,851	403,579	129,217	78,553	664,330
Total	**119,264**	**1,700,238**	**528,070**	**205,800**	**146,735**	**1,414,673**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	35,520	579,816	211,260	70,242	28,166	364,092
Other	221	15,086	5,385	2,661	1,359	5,544
Total revenue	**35,741**	**594,902**	**216,645**	**72,903**	**29,525**	**369,636**
EXPENSE						
Power purchased	28,186	458,588	111,610	46,821	22,343	261,564
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	2,012	35,835	24,737	5,239	2,702	39,251
Administration	2,823	49,597	27,961	8,777	2,749	31,468
Fixed charges—interest and principal	.....	.....	10,722	.....	.....	.....
—depreciation	2,250	30,793	12,929	2,786	1,727	18,216
—other	.....	.....	.....	.....	.....	.....
Total expense	**35,271**	**574,813**	**187,959**	**63,623**	**29,521**	**350,499**
Net income or *net expense*	**470**	**20,089**	**28,686**	**9,280**	**4**	**19,137**
Number of customers	384	3,802	1,366	597	303	3,252

Statements for the Year Ended December 31, 1964

Comber	Coniston	Cookstown	Cottam	Courtright	Creemore	Dashwood	Deep River	Delaware
581	2,603	676	667	571	902	410	5,643	429
$	$	$	$	$	$	$	$	$
68,893	147,603	56,151	58,152	36,452	73,295	36,311	676,812	33,687
20,001	*17,403*	*15,311*	*20,325*	*7,789*	*11,047*	*6,792*	*177,392*	*10,832*
48,892	130,200	40,840	37,827	28,663	62,248	29,519	499,420	22,855
14,121	3,511	11,294	8,740	2,263	14,169	12,189	35,304	8,712
.....	.....	6,035	3,000	.....	5,000	.....	60,000	.....
261	2,747	2,017	815	1,401	1,341	99	9,073	348
14,382	6,258	19,346	12,555	3,664	20,510	12,288	104,377	9,060
.....	510	42	71	25	.....	.....	12,134	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
211	7,155	67	2,349	75	.....	.....	9,450	.....
211	7,665	109	2,420	100	.....	.....	21,584	.....
69,031	13,598	38,389	31,818	29,340	61,674	44,825	92,445	25,609
132,516	**157,721**	**98,684**	**84,620**	**61,767**	**144,432**	**86,632**	**717,826**	**57,524**
801	35,500	.....	.....	.....	.....	.....	185,914	.....
327	2,364	611	524	4,112	702	158	2,203	3
534	8,769	755	613	374	575	.....	12,062	190
1,662	46,633	1,366	1,137	4,486	1,277	158	200,179	193
69,031	13,598	38,389	31,818	29,340	61,674	44,825	92,445	25,609
.....	.....	.....	.....	.....	.....	.....	.....	.....
69,031	13,598	38,389	31,818	29,340	61,674	44,825	92,445	25,609
11,899	14,500	12,001	13,893	8,138	2,824	3,400	45,086	4,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
49,924	82,990	46,928	37,772	19,803	78,657	38,249	117,803	27,364
.....	.....	.....	.....	.....	.....	.....	262,313	358
61,823	97,490	58,929	51,665	27,941	81,481	41,649	425,202	31,722
132,516	**157,721**	**98,684**	**84,620**	**61,767**	**144,432**	**86,632**	**717,826**	**57,524**
25,518	71,952	20,933	20,656	17,099	33,876	23,772	232,604	16,786
445	611	588	337	56	349	.....	8,787	618
25,963	**72,563**	**21,521**	**20,993**	**17,155**	**34,225**	**23,772**	**241,391**	**17,404**
13,409	44,276	16,844	13,593	8,964	20,908	14,127	155,775	10,861
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,135	5,039	1,699	2,869	1,524	1,912	1,732	20,985	1,457
3,568	7,253	1,526	2,179	1,304	2,152	1,731	21,410	1,008
421	3,923	.....	261	75	.....	.....	18,908	.....
1,947	3,461	1,723	1,893	1,045	1,903	1,005	18,082	1,026
.....	.....	.....	.....	.....	.....	.....	.....	.....
21,480	**63,952**	**21,792**	**20,800**	**12,912**	**26,875**	**18,595**	**235,160**	**14,352**
4,483	**8,611**	***271***	**193**	**4,243**	**7,350**	**5,177**	**6,231**	**3,052**
240	683	259	254	215	363	188	1,520	148

Municipal Electrical Utilities Financial

Municipality	Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo
Population	3,625	1,819	996	667	2,356	398
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	412,238	154,505	74,357	71,815	235,490	33,630
Accumulated depreciation	*104,462*	*53,410*	*20,682*	*11,925*	*62,608*	*13,720*
Net fixed assets	307,776	101,095	53,675	59,890	172,882	19,910
CURRENT ASSETS						
Cash on hand and in bank	70,257	.....	3,365	7,568	45,332	1,036
Investment in government securities	5,000	4,000	1,500	6,000	1,000	5,500
Accounts receivable (net)	2,609	8,582	1,298	184	3,323	766
Total current assets	77,866	12,582	6,163	13,752	49,655	7,302
OTHER ASSETS						
Inventory of stores	18,802	8,505	.....	211	10,552	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	137	680	.....	200	.....
Total other assets	18,802	8,642	680	211	10,752	.....
Equity in Ontario Hydro Systems	172,095	90,819	46,057	62,940	182,043	36,625
Total	**576,539**	**213,138**	**106,575**	**136,793**	**415,332**	**63,837**
LIABILITIES						
Debentures outstanding	.....	.....	1,711	.....	8,282	.....
Accounts payable	6,728	1,601	959	222	408	202
Other	4,828	1,192	673	355	2,892	166
Total liabilities	11,556	2,793	3,343	577	11,582	368
RESERVES						
Equity in Ontario Hydro Systems	172,095	90,819	46,057	62,940	182,043	36,625
Other	.....	.....	.....	.....	.....	.....
Total reserves	172,095	90,819	46,057	62,940	182,043	36,625
CAPITAL						
Debentures redeemed	85,000	15,000	5,589	9,500	43,141	4,500
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	276,950	104,526	51,586	63,626	178,566	22,344
Contributed capital	30,938	.....	.....	150	.....	.....
Total capital	392,888	119,526	57,175	73,276	221,707	26,844
Total	**576,539**	**213,138**	**106,575**	**136,793**	**415,332**	**63,837**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	176,953	62,218	30,838	31,107	123,709	13,044
Other	6,052	2,556	813	522	5,342	505
Total revenue	**183,005**	**64,774**	**31,651**	**31,629**	**129,051**	**13,549**
EXPENSE						
Power purchased	125,450	49,354	20,911	19,672	78,773	10,973
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	15,143	7,224	2,719	1,987	19,525	580
Administration	14,574	8,264	1,928	2,147	16,481	1,260
Fixed charges—interest and principal	.....	.....	241	.....	2,397	.....
—depreciation	9,960	4,290	2,188	1,909	5,258	1,123
—other	.....	.....	.....	.....	.....	.....
Total expense	**165,127**	**69,132**	**27,987**	**25,715**	**122,434**	**13,936**
Net income or *net expense*	**17,878**	***4,358***	**3,664**	**5,914**	**6,617**	***387***
Number of customers	1,470	617	352	277	949	169

Statements for the Year Ended December 31, 1964

Dryden	Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York Twp.	Eganville
6,349	283	921	14,185	5,579	2,391	814	70,882	1,436
$	$	$	$	$	$	$	$	$
721,972	43,183	73,860	1,865,580	580,550	248,311	58,936	5,252,964	181,360
199,311	*12,152*	*15,580*	*314,031*	*120,956*	*44,708*	*17,425*	*1,117,213*	*60,868*
522,661	31,031	58,280	1,551,549	459,594	203,603	41,511	4,135,751	120,492
35,190	3,205	9,395	22,226	150	29,404	2,053	232,894	25,925
.....	1,100	16,500	9,000	.....	4,000	4,500	249,375	15,000
4,256	1,953	724	13,864	5,690	6,763	355	173,574	575
39,446	6,258	26,619	45,090	5,840	40,167	6,908	655,843	41,500
12,282	.....	.....	21,257	36,679	1,810	95	58,475	2,153
.....	.....	.....	.....	.....	.....	.....	179,210	.....
4,779	115	.....	17,043	920	942	.....	9,171	2,172
17,061	115	.....	38,300	37,599	2,752	95	246,856	4,325
130,960	29,652	75,513	816,739	436,227	172,986	84,949	3,162,402	22,110
710,128	**67,056**	**160,412**	**2,451,678**	**939,260**	**419,508**	**133,463**	**8,200,852**	**188,427**
107,200	.....	.....	718,500	39,500	28,000	.....	438,018	17,313
4,355	24	457	4,489	1,618	352	.....	56,983	.....
22,863	115	405	39,960	11,111	2,295	510	25,051	.....
134,418	139	862	762,949	52,229	30,647	510	520,052	17,313
130,960	29,652	75,513	816,739	436,227	172,986	84,949	3,162,402	22,110
.....	.....	.....	.....	.....	.....	.....	.....	.....
130,960	29,652	75,513	816,739	436,227	172,986	84,949	3,162,402	22,110
94,230	6,200	5,727	185,045	100,439	27,324	8,407	835,636	82,687
.....	.....	.....	.....	.....	.....	.....	179,210	.....
350,520	30,855	78,310	630,712	327,664	188,551	39,597	3,420,815	66,317
.....	210	.....	56,233	22,701	.....	.....	82,737	.....
444,750	37,265	84,037	871,990	450,804	215,875	48,004	4,518,398	149,004
710,128	**67,056**	**160,412**	**2,451,678**	**939,260**	**419,508**	**133,463**	**8,200,852**	**188,427**
279,626	21,709	44,365	665,900	251,268	117,403	27,852	2,386,116	63,414
12,045	94	742	11,628	865	3,112	287	118,151	1,441
291,671	**21,803**	**45,107**	**677,528**	**252,133**	**120,515**	**28,139**	**2,504,267**	**64,855**
152,261	14,508	30,965	386,929	177,740	74,988	18,756	1,608,811	29,501
.....	.....	.....	.....	.....	.....	.....	.....	12,736
41,870	1,083	6,131	65,001	24,989	11,578	3,503	235,974	4,611
35,941	1,480	2,808	54,515	14,498	13,835	2,248	239,508	6,185
14,140	.....	.....	70,815	5,681	2,720	.....	77,282	7,035
18,145	1,312	1,993	40,610	13,418	5,437	1,760	121,760	4,569
.....	.....	.....	.....	.....	.....	.....	.....	.....
262,357	**18,383**	**41,897**	**617,870**	**236,326**	**108,558**	**26,267**	**2,283,335**	**64,637**
29,314	**3,420**	**3,210**	**59,658**	**15,807**	**11,957**	**1,872**	**220,932**	**218**
1,991	118	469	4,492	1,971	907	362	24,763	510

Municipal Electrical Utilities Financial

Municipality	Elmira	Elmvale	Elmwood	Elora	Embro	Erieau
Population	3,782	1,011	450	1,523	599	484
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	469,838	96,100	25,576	153,474	68,517	96,495
Accumulated depreciation	*115,649*	*26,989*	*8,731*	*49,521*	*22,242*	*22,650*
Net fixed assets	354,189	69,111	16,845	103,953	46,275	73,845
CURRENT ASSETS						
Cash on hand and in bank	39,616	3,178	1,217	9,635	3,165	1,641
Investment in government securities	.....	9,965	7,000	8,690	6,000	3,923
Accounts receivable (net)	1,512	1,042	183	2,192	374	753
Total current assets	41,128	14,185	8,400	20,517	9,539	6,317
OTHER ASSETS						
Inventory of stores	901	1,246	.....	327	.....	30
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	402	270	.....	.....	.....	613
Total other assets	1,303	1,516	.....	327	.....	643
Equity in Ontario Hydro Systems	448,187	73,997	27,444	161,593	54,565	53,081
Total	**844,807**	**158,809**	**52,689**	**286,390**	**110,379**	**133,886**
LIABILITIES						
Debentures outstanding	.....	.....	.....	3,300	.....	5,211
Accounts payable	776	158	197	290	807	.....
Other	3,434	645	50	2,205	60	1,023
Total liabilities	4,210	803	247	5,795	867	6,234
RESERVES						
Equity in Ontario Hydro Systems	448,187	73,997	27,444	161,593	54,565	53,081
Other	.....	.....	.....	.....	.....	.....
Total reserves	448,187	73,997	27,444	161,593	54,565	53,081
CAPITAL						
Debentures redeemed	37,169	6,544	6,106	16,562	7,500	15,724
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	355,241	77,465	18,892	101,098	47,447	58,847
Contributed capital	.....	.....	.....	1,342	.....	.....
Total capital	392,410	84,009	24,998	119,002	54,947	74,571
Total	**844,807**	**158,809**	**52,689**	**286,390**	**110,379**	**133,886**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	263,265	42,116	10,597	67,286	27,155	31,503
Other	4,237	850	378	777	1,203	767
Total revenue	**267,502**	**42,966**	**10,975**	**68,063**	**28,358**	**32,270**
EXPENSE						
Power purchased	189,365	29,465	8,929	36,695	18,300	22,446
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	16,433	2,880	713	9,206	4,230	5,357
Administration	16,943	5,183	1,270	6,209	2,751	4,053
Fixed charges—interest and principal	.....	.....	.....	660	.....	1,912
—depreciation	11,806	2,706	803	4,136	1,928	2,872
—other	.....	.....	.....	.....	.....	.....
Total expense	**234,547**	**40,234**	**11,715**	**56,906**	**27,209**	**36,640**
Net income or *net expense*	**32,955**	**2,732**	***740***	**11,157**	**1,149**	***4,370***
Number of customers	1,324	417	137	550	240	366

Statements for the Year Ended December 31, 1964

Erie Beach	Erin	Espanola	Essex	Etobicoke Twp.	Exeter	Fergus	Finch	Flesherton
203	1,133	5,298	3,551	194,099	3,144	4,037	390	506
$	$	$	$	$	$	$	$	$
25,469	79,579	354,193	342,133	22,730,627	351,244	440,892	45,292	39,639
4,020	*11,078*	*74,292*	*110,688*	*4,069,888*	*92,632*	*98,708*	*14,200*	*15,075*
21,449	68,501	279,901	231,445	18,660,739	258,612	342,184	31,092	24,564
341	2,121	66,445	20,731	720,496	19,224	12,864	1,966	1,679
.....	5,050	.....	.....	136,045	3,000	15,000	6,000	19,000
153	702	3,049	1,672	379,568	3,046	1,576	2,378	302
494	7,873	69,494	22,403	1,236,109	25,270	29,440	10,344	20,981
.....	69	460	14,138	389,553	979	246	.....	.....
.....	.....	.....	.....	1,493,219	.....	.....	.....	.....
364	384	7,719	667	200,308	61	468	1,000	126
364	453	8,179	14,805	2,083,080	1,040	714	1,000	126
9,432	29,668	30,939	207,118	6,035,242	272,096	424,542	32,521	38,081
31,739	**106,495**	**388,513**	**475,771**	**28,015,170**	**557,018**	**796,880**	**74,957**	**83,752**
1,183	1,450	129,000	10,300	8,298,062	.....	16,500	.....	.....
500	9	5,404	8,449	137,438	23,772	150	66	163
247	905	12,483	1,676	593,406	2,960	5,339	246	308
1,930	2,364	146,887	20,425	9,028,906	26,732	21,989	312	471
9,432	29,668	30,939	207,118	6,035,242	272,096	424,542	32,521	38,081
.....	.....	.....	.....	.....	.....	.....	.....	.....
9,432	29,668	30,939	207,118	6,035,242	272,096	424,542	32,521	38,081
6,703	13,050	16,000	40,957	2,154,168	20,000	58,461	7,000	5,831
.....	.....	.....	.....	1,493,219	.....	.....	.....	.....
13,674	61,413	112,397	207,271	8,283,466	236,291	291,888	35,124	39,369
.....	.....	82,290	.....	1,020,169	1,899	.....	.....	.....
20,377	74,463	210,687	248,228	12,951,022	258,190	350,349	42,124	45,200
31,739	**106,495**	**388,513**	**475,771**	**28,015,170**	**557,018**	**796,880**	**74,957**	**83,752**
7,744	43,008	190,505	140,812	9,906,703	178,022	242,561	17,538	18,895
12	969	4,728	2,090	150,071	2,637	2,735	266	906
7,756	**43,977**	**195,233**	**142,902**	**10,056,774**	**180,659**	**245,296**	**17,804**	**19,801**
3,482	29,088	103,854	84,196	6,667,768	111,967	168,391	13,646	15,894
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,421	3,751	20,231	18,943	590,731	16,134	24,216	1,384	1,404
1,104	4,059	24,809	18,152	473,713	22,474	20,433	1,737	2,179
633	796	13,107	2,521	818,387	.....	2,210	.....	.....
728	1,950	9,122	8,918	573,086	10,462	10,652	1,423	1,299
.....	.....	.....	.....	.....	.....	.....	.....	.....
7,368	**39,644**	**171,123**	**132,730**	**9,123,685**	**161,037**	**225,902**	**18,190**	**20,776**
388	**4,333**	**24,110**	**10,172**	**933,089**	**19,622**	**19,394**	***386***	**975**
141	437	1,390	1,228	62,928	1,301	1,478	175	246

Municipal Electrical Utilities Financial

Municipality	Fonthill	Forest	Forest Hill	Fort William	Frankford	Galt
Population	2,618	2,174	22,494	46,662	1,698	30,174
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	196,722	181,679	2,179,454	4,919,719	127,421	3,584,729
Accumulated depreciation	*45,939*	*89,304*	*697,538*	*1,460,230*	*24,147*	*1,248,377*
Net fixed assets	150,783	92,375	1,481,916	3,459,489	103,274	2,336,352
CURRENT ASSETS						
Cash on hand and in bank	6,388	14,761	201,534	583,343	2,586	100,169
Investment in government securities	.....	38,401	74,000	85,200	.....	165,000
Accounts receivable (net)	2,771	8,989	12,574	158,791	2,163	141,320
Total current assets	9,159	62,151	288,108	827,334	4,749	406,489
OTHER ASSETS						
Inventory of stores	52	3,442	48,634	125,560	.....	88,420
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	3,000	39	4,438	17,514	1,200	1,309
Total other assets	3,052	3,481	53,072	143,074	1,200	89,729
Equity in Ontario Hydro Systems	89,387	208,328	1,502,914	6,014,986	37,245	3,011,118
Total	**252,381**	**366,335**	**3,326,010**	**10,444,883**	**146,468**	**5,843,688**
LIABILITIES						
Debentures outstanding	4,500	.....	.....	388,000	.....	17,000
Accounts payable	79	813	35,452	142,776	81	383
Other	2,919	1,767	53,555	91,785	1,855	46,264
Total liabilities	7,498	2,580	89,007	622,561	1,936	63,647
RESERVES						
Equity in Ontario Hydro Systems	89,387	208,328	1,502,914	6,014,986	37,245	3,011,118
Other	.....	.....	.....	.....	.....	.....
Total reserves	89,387	208,328	1,502,914	6,014,986	37,245	3,011,118
CAPITAL						
Debentures redeemed	55,673	23,357	358,126	676,209	20,000	800,298
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	97,573	132,070	1,375,963	3,131,127	87,287	1,912,643
Contributed capital	2,250	.....	.....	.....	.....	55,982
Total capital	155,496	155,427	1,734,089	3,807,336	107,287	2,768,923
Total	**252,381**	**366,335**	**3,326,010**	**10,444,883**	**146,468**	**5,843,688**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	85,440	95,568	929,739	1,928,837	51,442	1,570,037
Other	3,006	6,655	16,374	112,219	2,372	17,329
Total revenue	**88,446**	**102,223**	**946,113**	**2,041,056**	**53,814**	**1,587,366**
EXPENSE						
Power purchased	57,964	71,085	673,501	1,362,304	37,109	1,083,383
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	6,892	14,056	87,806	235,036	4,409	142,861
Administration	7,110	10,023	97,164	156,408	5,390	94,731
Fixed charges—interest and principal	2,317	.....	.....	53,340	.....	8,896
—depreciation	5,248	4,459	60,190	119,192	3,219	99,985
—other	.....	.....	.....	.....	.....	.....
Total expense	**79,531**	**99,623**	**918,661**	**1,926,280**	**50,127**	**1,429,856**
Net income or *net expense*	**8,915**	**2,600**	**27,452**	**114,776**	**3,687**	**157,510**
Number of customers	856	915	9,051	14,700	665	9,990

Statements for the Year Ended December 31, 1964

Georgetown	Glencoe	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph
11,374	1,206	6,671	884	732	280	3,223	5,962	41,993
$	$	$	$	$	$	$	$	$
1,126,033	140,135	883,064	193,530	64,374	20,984	280,938	469,128	5,240,442
226,209	*47,344*	*254,445*	*52,875*	*20,123*	*4,127*	*80,391*	*91,570*	*838,470*
899,824	92,791	628,619	140,655	44,251	16,857	200,547	377,558	4,401,972
18,652	2,901	105,601	3,799	20,613	7,834	6,024	30,543	278,126
14,000	5,000	90,657	.....	5,500	.....	12,000	.....	.....
3,078	2,491	13,297	6,584	102	54	1,561	1,270	106,332
35,730	10,392	209,555	10,383	26,215	7,888	19,585	31,813	384,458
28,718	380	8,680	851	.....	.....	5,769	.....	94,454
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,751	78	1,590	7,695	100	696	.....	4,960	15,984
30,469	458	10,270	8,546	100	696	5,769	4,960	110,438
699,288	100,473	693,439	64,355	68,783	29,426	274,355	195,174	3,680,605
1,665,311	**204,114**	**1,541,883**	**223,939**	**139,349**	**54,867**	**500,256**	**609,505**	**8,577,473**
252,372	.....	55,500	54,167	.....	166	.....	76,000	1,554,000
2,629	4,425	694	5,753	.....	.....	6,415	4,013	31,145
34,288	505	18,433	5,194	.....	60	3,279	7,523	71,817
289,289	4,930	74,627	65,114	.....	226	9,694	87,536	1,656,962
699,288	100,473	693,439	64,355	68,783	29,426	274,355	195,174	3,680,605
1,524	.....	.....	.....	.....	.....	.....	.....	.....
700,812	100,473	693,439	64,355	68,783	29,426	274,355	195,174	3,680,605
140,552	20,113	157,460	36,833	10,794	6,478	44,279	99,344	710,945
.....	.....	.....	.....	.....	.....	.....	.....	.....
534,658	76,126	588,579	55,814	59,772	18,737	171,928	227,451	2,443,413
.....	2,472	27,778	1,823	.....	.....	.....	.....	85,548
675,210	98,711	773,817	94,470	70,566	25,215	216,207	326,795	3,239,906
1,665,311	**204,114**	**1,541,883**	**223,939**	**139,349**	**54,867**	**500,256**	**609,505**	**8,577,473**
542,358	50,776	414,386	77,581	34,455	10,174	141,609	253,958	2,575,796
12,753	788	8,615	718	443	.....	2,380	3,706	59,582
555,111	**51,564**	**423,001**	**78,299**	**34,898**	**10,174**	**143,989**	**257,664**	**2,635,378**
383,656	31,434	283,489	40,120	20,741	4,233	104,801	158,438	1,504,988
.....	.....	.....	.....	.....	.....	.....	.....	.....
45,520	7,476	29,293	8,030	2,402	1,781	11,221	28,377	245,704
49,794	8,189	45,215	13,346	2,516	1,343	13,503	26,883	227,805
29,330	56	9,100	7,948	.....	307	.....	10,918	175,052
26,514	4,059	22,131	5,113	2,008	583	7,268	11,745	118,244
.....	.....	.....	.....	.....	.....	.....	.....	.....
534,814	**51,214**	**389,228**	**74,557**	**27,667**	**8,247**	**136,793**	**236,361**	**2,271,793**
20,297	**350**	**33,773**	**3,742**	**7,231**	**1,927**	**7,196**	**21,303**	**363,585**
3,436	538	2,550	841	345	125	1,424	2,054	13,413

Municipal Electrical Utilities Financial

Municipality	Hagersville	Hamilton	Hanover	Harriston	Harrow	Hastings
Population	2,082	275,670	4,687	1,622	1,752	850
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	183,663	28,521,903	494,258	246,342	275,492	95,059
Accumulated depreciation	*53,781*	*3,482,037*	*156,651*	*59,200*	*75,572*	*33,572*
Net fixed assets	129,882	25,039,871	337,607	187,142	199,920	61,487
CURRENT ASSETS						
Cash on hand and in bank	9,242	1,542,782	150	6,031	1,406	1,111
Investment in government securities	38,000	.....	22,000	7,000	.....	8,750
Accounts receivable (net)	393	1,483,061	9,240	1,422	909	1,254
Total current assets	47,635	3,025,843	31,390	14,453	2,315	11,115
OTHER ASSETS						
Inventory of stores	36	817,895	17,018	101	5,124	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	195	26,300	520	358	167	.....
Total other assets	231	844,195	17,538	459	5,291	.....
Equity in Ontario Hydro Systems	332,158	38,215,881	450,643	183,652	182,353	41,965
Total	**509,906**	**67,125,790**	**837,178**	**385,706**	**389,879**	**114,567**
LIABILITIES						
Debentures outstanding	.....	840,000	.....	34,000	.....	.....
Accounts payable	386	1,832,654	2,772	625	3,007	621
Other	1,435	182,060	3,794	2,651	825	854
Total liabilities	1,821	2,854,714	6,566	37,276	3,832	1,475
RESERVES						
Equity in Ontario Hydro Systems	332,158	38,215,881	450,643	183,652	182,353	41,965
Other	.....	232,972	.....	.....	.....	.....
Total reserves	332,158	38,448,853	450,643	183,652	182,353	41,965
CAPITAL						
Debentures redeemed	8,000	6,869,892	80,162	31,708	12,000	21,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	167,927	18,823,884	299,185	133,070	189,789	49,869
Contributed capital	.....	128,447	622	.....	1,905	258
Total capital	175,927	25,822,223	379,969	164,778	203,694	71,127
Total	**509,906**	**67,125,790**	**837,178**	**385,706**	**389,879**	**114,567**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	101,838	20,311,610	240,434	89,603	100,237	35,004
Other	2,235	289,473	3,439	2,277	3,508	971
Total revenue	**104,073**	**20,601,083**	**243,873**	**91,880**	**103,745**	**35,975**
EXPENSE						
Power purchased	62,367	18,064,536	174,172	60,671	67,496	24,003
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	17,586	1,141,338	14,893	8,349	11,470	2,016
Administration	7,311	1,009,489	21,655	6,829	15,109	5,479
Fixed charges—interest and principal	.....	113,465	.....	3,321	906	.....
—depreciation	4,924	571,959	12,501	6,087	6,615	2,978
—other	.....	.....	.....	.....	.....	.....
Total expense	**92,188**	**20,900,787**	**223,221**	**85,257**	**101,596**	**34,476**
Net income or *net expense*	**11,885**	***299,704***	**20,652**	**6,623**	**2,149**	**1,499**
Number of customers	803	87,946	1,760	681	705	424

Statements for the Year Ended December 31, 1964

Havelock	Hawkesbury	Hearst	Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll
1,290	9,014	2,651	935	4,950	382	148	3,071	7,025
$	$	$	$	$	$	$	$	$
116,931	751,676	274,740	149,430	530,117	41,978	13,594	305,793	780,187
36,464	*176,295*	*37,779*	*42,048*	*100,154*	*15,249*	*4,410*	*78,138*	*206,494*
80,467	575,381	236,961	107,382	429,963	26,729	9,184	227,655	573,693
13,156	48,756	20,883	5,455	41,159	3,035	4,194	55,460	59,272
39,187	.....	40,000	8,992	30,000	3,000	.....	59,479	.....
1,215	3,846	7,010	992	27,076	239	48	7,699	10,837
53,558	52,602	67,893	15,439	98,235	6,274	4,242	122,638	70,109
.....	27,158	.....	45	158	.....	.....	7,249	24,987
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,224	1,133	6,603	193	1,009	.....	.....	4,870	4,031
1,224	28,291	6,603	238	1,167	.....	.....	12,119	29,018
72,169	113,057	18,649	99,623	726,302	41,011	14,585	369,472	885,202
207,418	**769,331**	**330,106**	**222,682**	**1,255,667**	**74,014**	**28,011**	**731,884**	**1,558,022**
10,500	152,000	31,700	.....	.....	.....	.....	.....	66,787
708	288	2,888	166	2,228	156	.....	115	70
747	7,658	15,976	510	5,747	140	84	1,935	13,691
11,955	159,946	50,564	676	7,975	296	84	2,050	80,548
72,169	113,057	18,649	99,623	726,302	41,011	14,585	369,472	885,202
.....	.....	.....	.....	.....	.....	.....	.....	.....
72,169	113,057	18,649	99,623	726,302	41,011	14,585	369,472	885,202
52,400	133,000	108,300	12,000	77,570	5,000	2,762	15,697	133,013
.....	.....	.....	.....	.....	.....	.....	.....	.....
70,894	345,245	152,593	105,788	441,546	27,707	10,580	344,665	459,259
.....	18,083	.....	4,595	2,274	.....	.....	.....	.....
123,294	496,328	260,893	122,383	521,390	32,707	13,342	360,362	592,272
207,418	**769,331**	**330,106**	**222,682**	**1,255,667**	**74,014**	**28,011**	**731,884**	**1,558,022**
44,874	305,733	104,015	58,866	311,891	14,664	6,785	173,409	388,537
2,087	7,925	3,137	510	10,027	301	2	5,116	9,274
46,961	**313,658**	**107,152**	**59,376**	**321,918**	**14,965**	**6,787**	**178,525**	**397,811**
27,852	176,331	62,512	38,806	244,974	8,193	5,127	105,705	249,229
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,773	29,554	9,888	5,120	24,871	1,810	275	18,631	37,239
4,903	34,464	11,683	4,222	19,715	1,035	720	12,320	38,164
1,920	21,497	8,716	.....	.....	.....	.....	.....	11,455
3,613	18,657	5,082	4,213	10,862	1,395	432	7,304	19,328
.....	.....	.....	.....	.....	.....	.....	.....	.....
41,061	**280,503**	**97,881**	**52,361**	**300,422**	**12,433**	**6,554**	**143,960**	**355,415**
5,900	**33,155**	**9,271**	**7,015**	**21,496**	**2,532**	**233**	**34,565**	**42,396**
443	2,415	708	379	1,561	166	96	1,247	2,401

Municipal Electrical Utilities Financial

Municipality	Iroquois	Jarvis	Kapuskasing	Kemptville	Killaloe Station	Kincardine
Population	1,145	742	12,295	2,076	836	2,882
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	206,969	67,675	637,516	199,216	60,704	338,816
Accumulated depreciation	*40,058*	*19,523*	*80,276*	*36,899*	*14,718*	*110,426*
Net fixed assets	166,911	48,152	557,240	162,317	45,986	228,390
CURRENT ASSETS						
Cash on hand and in bank	11,523	21,134	75,028	5,611	4,039	.....
Investment in government securities	51,000	.....	.....	9,000	.....	15,000
Accounts receivable (net)	1,047	293	3,919	4,737	453	11,333
Total current assets	63,570	21,427	78,947	19,348	4,492	26,333
OTHER ASSETS						
Inventory of stores	600	.....	12,133	7,562	.....	10,425
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	291	23,257	.....	2,455	.....
Total other assets	600	291	35,390	7,562	2,455	10,425
Equity in Ontario Hydro Systems	59,990	73,288	58,621	167,874	13,400	293,965
Total	**291,071**	**143,158**	**730,198**	**357,101**	**66,333**	**559,113**
LIABILITIES						
Debentures outstanding	.....	.....	212,631	.....	35,500	.....
Accounts payable	824	1,897	4,198	14,778	482	21,294
Other	1,595	60	27,068	1,663	.....	2,726
Total liabilities	2,419	1,957	243,897	16,441	35,982	24,020
RESERVES						
Equity in Ontario Hydro Systems	59,990	73,288	58,621	167,874	13,400	293,965
Other	.....	.....	.....	.....	.....	.....
Total reserves	59,990	73,288	58,621	167,874	13,400	293,965
CAPITAL						
Debentures redeemed	.....	10,500	72,848	19,507	4,500	60,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	84,673	56,936	354,832	153,279	12,451	181,128
Contributed capital	143,989	477	.....	.....	.....	.....
Total capital	228,662	67,913	427,680	172,786	16,951	241,128
Total	**291,071**	**143,158**	**730,198**	**357,101**	**66,333**	**559,113**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	49,702	27,860	257,929	119,848	29,104	130,545
Other	2,341	179	5,546	2,105	328	1,741
Total revenue	**52,043**	**28,039**	**263,475**	**121,953**	**29,432**	**132,286**
EXPENSE						
Power purchased	35,810	17,411	159,990	86,167	17,084	97,567
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	6,990	1,728	24,740	11,334	1,003	12,895
Administration	6,249	3,323	35,996	8,329	2,804	9,279
Fixed charges—interest and principal	.....	.....	22,619	.....	3,763	.....
—depreciation	5,148	2,075	12,987	4,569	1,693	8,750
—other	.....	.....	.....	.....	.....	.....
Total expense	**54,197**	**24,537**	**256,332**	**110,399**	**26,347**	**128,491**
Net income or *net expense*	***2,154***	**3,502**	**7,143**	**11,554**	**3,085**	**3,795**
Number of customers	407	277	2,367	840	285	1,288

Statements for the Year Ended December 31, 1964

King City	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster
1,895	51,451	3,439	197	82,674	2,201	2,654	954	571
$	$	$	$	$	$	$	$	$
143,134	7,080,560	341,524	27,036	11,863,229	255,348	171,250	63,471	39,349
41,946	*1,923,058*	*111,875*	*6,161*	*2,725,582*	*63,527*	*41,637*	*13,243*	*13,865*
101,188	5,157,502	229,649	20,875	9,137,647	191,821	129,613	50,228	25,484
27,495	77,869	12,699	3,393	233,527	2,374	7,347	2,759	9,672
9,940	130,000	8,500	.....	300,000	21,000	.....	9,000	5,500
3,377	264,507	3,747	312	449,897	2,297	2,873	1,638	2,268
40,812	472,376	24,946	3,705	983,424	25,671	10,220	13,397	17,440
.....	273,200	2,370	.....	294,663	5,837	.....	253	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
6,825	5,679	106	.....	3,882	3,610	332	.....	.....
6,825	278,879	2,476	.....	298,545	9,447	332	253	.....
27,307	2,868,452	244,074	14,903	7,536,663	130,599	81,383	41,700	33,343
176,132	**8,777,209**	**501,145**	**39,483**	**17,956,279**	**357,538**	**221,548**	**105,578**	**76,267**
108,000	1,055,000	.....	.....	.....	.....	7,701	.....	.....
4,927	441,566	120	.....	375,457	20,902	595	3	408
5,434	12,823	5,215	25	97,996	1,690	2,363	341	568
118,361	1,509,389	5,335	25	473,453	22,592	10,659	344	976
27,307	2,868,452	244,074	14,903	7,536,663	130,599	81,383	41,700	33,343
.....	103,456	.....	.....	363,286	.....	.....	.....	.....
27,307	2,971,908	244,074	14,903	7,899,949	130,599	81,383	41,700	33,343
3,540	749,839	33,500	5,766	2,327,244	33,500	24,799	7,317	8,917
.....	.....	.....	.....	.....	.....	.....	.....	.....
26,924	3,524,715	217,557	18,789	7,112,856	170,847	90,195	56,217	32,431
.....	21,358	679	.....	142,777	.....	14,512	.....	600
30,464	4,295,912	251,736	24,555	9,582,877	204,347	129,506	63,534	41,948
176,132	**8,777,209**	**501,145**	**39,483**	**17,956,279**	**357,538**	**221,548**	**105,578**	**76,267**
84,122	2,874,714	133,984	7,509	4,341,253	88,759	76,069	23,341	22,655
5,075	66,338	1,028	200	26,044	2,199	3,101	869	647
89,197	**2,941,052**	**135,012**	**7,709**	**4,367,297**	**90,958**	**79,170**	**24,210**	**23,302**
51,111	1,983,662	89,673	4,493	3,003,744	67,704	52,499	18,381	13,654
.....	.....	.....	.....	.....	.....	.....	.....	.....
7,035	235,740	11,513	944	368,605	12,572	5,264	2,480	1,560
4,993	271,838	17,771	623	356,687	6,554	8,673	1,782	2,471
9,636	136,390	.....	.....	38,248	1,038	1,310	.....	.....
3,523	169,191	9,093	808	281,910	7,065	4,565	1,713	1,212
.....	.....	.....	.....	.....	.....	.....	.....	.....
76,298	**2,796,821**	**128,050**	**6,868**	**4,049,194**	**94,933**	**72,311**	**24,356**	**18,897**
12,899	**144,231**	**6,962**	**841**	**318,103**	*3,975*	**6,859**	*146*	**4,405**
543	17,715	1,428	109	27,450	803	745	317	215

Municipal Electrical Utilities Financial

Municipality	Larder Lake Twp.	Latchford	Leamington	Lindsay	Listowel	London
Population	1,635	452	9,152	11,375	4,326	175,936
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	74,895	42,432	900,159	1,421,604	492,501	23,593,237
Accumulated depreciation	*29,836*	*10,726*	*249,105*	*435,350*	*165,029*	*5,379,383*
Net fixed assets	45,059	31,706	651,054	986,254	327,472	18,213,854
CURRENT ASSETS						
Cash on hand and in bank	19,281	7,712	60,415	400	31,053	47,345
Investment in government securities	.....	.....	2,000	.....	20,000	251,742
Accounts receivable (net)	282	331	8,706	18,077	4,556	942,659
Total current assets	19,563	8,043	71,121	18,477	55,609	1,241,746
OTHER ASSETS						
Inventory of stores	.....	.....	24,182	14,506	351	752,455
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	295	.....	161	119,091
Total other assets	.....	.....	24,477	14,506	512	871,546
Equity in Ontario Hydro Systems	16,370	3,259	677,761	908,550	442,075	12,208,779
Total	**80,992**	**43,008**	**1,424,413**	**1,927,787**	**825,668**	**32,535,925**
LIABILITIES						
Debentures outstanding	.....	.....	52,000	.....	41,783	7,436,742
Accounts payable	3,318	.....	3,882	32,039	19,291	1,075,486
Other	5,381	878	18,759	8,232	7,097	267,947
Total liabilities	8,699	878	74,641	40,271	68,171	8,780,175
RESERVES						
Equity in Ontario Hydro Systems	16,370	3,259	677,761	908,550	442,075	12,208,779
Other	.....	.....	.....	.....	.....	299,877
Total reserves	16,370	3,259	677,761	908,550	442,075	12,508,656
CAPITAL						
Debentures redeemed	15,753	18,901	74,000	130,000	91,051	2,801,171
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	40,170	19,970	567,586	840,759	222,916	8,442,892
Contributed capital	.....	.....	30,425	8,207	1,455	3,031
Total capital	55,923	38,871	672,011	978,966	315,422	11,247,094
Total	**80,992**	**43,008**	**1,424,413**	**1,927,787**	**825,668**	**32,535,925**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	53,548	11,788	457,434	574,309	231,358	8,100,329
Other	238	188	3,265	33,501	2,362	285,517
Total revenue	**53,786**	**11,976**	**460,699**	**607,810**	**233,720**	**8,385,846**
EXPENSE						
Power purchased	39,095	7,566	327,413	431,620	170,732	5,247,711
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	3,216	1,140	33,252	58,345	21,621	725,427
Administration	5,779	1,039	37,884	64,427	12,818	701,412
Fixed charges—interest and principal	304	.....	6,545	.....	9,910	760,521
—depreciation	2,563	1,301	23,827	31,413	13,548	539,205
—other	.....	.....	.....	.....	.....	.....
Total expense	**50,957**	**11,046**	**428,921**	**585,805**	**228,629**	**7,974,276**
Net income or *net expense*	**2,829**	**930**	**31,778**	**22,005**	**5,091**	**411,570**
Number of customers	487	156	3,401	4,114	1,640	56,533

Statements for the Year Ended December 31, 1964

Long Branch	L'Orignal	Lucan	Lucknow	Lynden	Madoc	Magnetawan	Markdale	Markham
11,658	1,309	960	1,044	580	1,391	260	1,102	5,702
$	$	$	$	$	$	$	$	$
726,534	119,555	102,454	111,157	38,830	170,347	30,477	91,683	575,006
127,574	*33,610*	*33,502*	*21,211*	*14,243*	*56,500*	*9,023*	*16,291*	*102,384*
598,960	85,945	68,952	89,946	24,587	113,847	21,454	75,392	472,622
13,907	7,384	15,010	7,098	16,552	11,751	4,411	9,340	19,616
139,166	.....	5,500	9,000	2,000	22,000	5,500	6,000	.....
56,785	1,063	1,782	829	2,257	2,374	21	529	16,002
209,858	8,447	22,292	16,927	20,809	36,125	9,932	15,869	35,618
.....	.....	51	.....	207	6,573	51	.....	1,252
.....	.....	.....	.....	.....	.....	.....	.....	.....
19	1,878	.....	2,350	.....	100	490	.....	1,032
19	1,878	51	2,350	207	6,673	541	.....	2,284
507,728	16,299	86,070	120,905	49,858	88,535	5,356	72,933	197,943
1,316,565	**112,569**	**177,365**	**230,128**	**95,461**	**245,180**	**37,283**	**164,194**	**708,467**
.....	14,000	.....	.....	.....	.....	9,300	.....	81,229
15	18	24	770	133	18	.....	2,223	4,624
29,054	570	950	.....	22	1,358	.....	856	57,862
29,069	14,588	974	770	155	1,376	9,300	3,079	143,715
507,728	16,299	86,070	120,905	49,858	88,535	5,356	72,933	197,943
.....	.....	.....	.....	.....	.....	.....	.....	.....
507,728	16,299	86,070	120,905	49,858	88,535	5,356	72,933	197,943
40,305	14,000	11,214	17,614	4,495	14,000	14,700	6,370	37,963
.....	.....	.....	.....	.....	.....	.....	.....	.....
727,538	67,682	79,107	90,839	40,953	141,269	7,927	81,812	284,462
11,925	.....	.....	.....	.....	.....	.....	.....	44,384
779,768	81,682	90,321	108,453	45,448	155,269	22,627	88,182	366,809
1,316,565	**112,569**	**177,365**	**230,128**	**95,461**	**245,180**	**37,283**	**164,194**	**708,467**
421,417	43,799	42,057	60,399	21,420	61,400	9,457	48,348	256,245
11,905	1,720	749	384	124	2,803	246	292	4,946
433,322	**45,519**	**42,806**	**60,783**	**21,544**	**64,203**	**9,703**	**48,640**	**261,191**
328,447	23,408	27,505	43,057	13,523	47,362	4,603	31,609	172,750
.....	.....	.....	.....	.....	.....	.....	.....	.....
28,176	3,804	3,770	5,700	445	5,007	811	3,849	14,716
46,364	3,743	3,052	5,212	2,043	4,768	819	2,081	20,409
2,947	2,281	.....	.....	.....	.....	1,932	.....	9,275
20,747	3,467	3,039	3,016	1,294	5,253	908	2,398	13,018
.....	.....	.....	.....	.....	.....	.....	.....	.....
426,681	**36,703**	**37,366**	**56,985**	**17,305**	**62,390**	**9,073**	**39,937**	**230,168**
6,641	**8,816**	**5,440**	**3,798**	**4,239**	**1,813**	**630**	**8,703**	**31,023**
4,781	416	378	474	175	603	108	485	1,892

Municipal Electrical Utilities Financial

Municipality	Marmora	Martintown	Massey	Maxville	McGarry Twp.	Meaford
Population	1,331	393	1,301	847	2,242	3,842
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	114,935	35,544	102,222	84,943	92,650	333,847
Accumulated depreciation	*44,616*	*10,778*	*15,212*	*17,746*	*25,637*	*95,983*
Net fixed assets	70,319	24,766	87,010	67,197	67,013	237,864
CURRENT ASSETS						
Cash on hand and in bank	5,430	5,013	8,057	4,775	18,279	32,599
Investment in government securities	3,000	.....	.....	1,500	.....	.....
Accounts receivable (net)	842	2,043	6,676	943	1,147	2,549
Total current assets	9,272	7,056	14,733	7,218	19,426	35,148
OTHER ASSETS						
Inventory of stores	1,530	.....	312	.....	.....	10,569
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	2,823	.....	378	383
Total other assets	1,530	.....	3,135	.....	378	10,952
Equity in Ontario Hydro Systems	64,305	15,889	7,377	58,592	15,191	282,539
Total	**145,426**	**47,711**	**112,255**	**133,007**	**102,008**	**566,503**
LIABILITIES						
Debentures outstanding	.....	.....	28,900	.....	.....	.....
Accounts payable	1	138	275	.....	48	510
Other	860	96	1,399	972	4,055	5,988
Total liabilities	861	234	30,574	972	4,103	6,498
RESERVES						
Equity in Ontario Hydro Systems	64,305	15,889	7,377	58,592	15,191	282,539
Other	.....	.....	.....	.....	.....	.....
Total reserves	64,305	15,889	7,377	58,592	15,191	282,539
CAPITAL						
Debentures redeemed	15,092	5,347	16,100	13,642	13,782	47,725
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	65,168	26,241	58,204	58,801	68,932	229,741
Contributed capital	.....	.....	.....	1,000	.....	.....
Total capital	80,260	31,588	74,304	73,443	82,714	277,466
Total	**145,426**	**47,711**	**112,255**	**133,007**	**102,008**	**566,503**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	48,488	9,376	44,432	40,677	54,688	183,883
Other	714	89	347	344	792	3,753
Total revenue	**49,202**	**9,465**	**44,779**	**41,021**	**55,480**	**187,636**
EXPENSE						
Power purchased	34,943	6,501	23,467	29,024	35,424	139,524
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	8,473	863	4,540	3,177	3,051	11,966
Administration	3,999	1,076	7,597	1,590	7,251	13,571
Fixed charges—interest and principal	.....	.....	3,960	.....	.....	.....
—depreciation	3,543	1,062	2,533	2,390	2,769	8,384
—other	.....	.....	.....	.....	.....	.....
Total expense	**50,958**	**9,502**	**42,097**	**36,181**	**48,495**	**173,445**
Net income or *net expense*	***1,756***	***37***	**2,682**	**4,840**	**6,985**	**14,191**
Number of customers	499	128	353	327	449	1,603

Statements for the Year Ended December 31, 1964

Merlin	Merrick-ville	Midland	Mildmay	Millbrook	Milton	Milverton	Mimico	Mitchell
631	909	9,103	898	887	6,165	1,110	18,584	2,347
$	$	$	$	$	$	$	$	$
76,090	77,017	871,145	65,059	75,295	687,680	115,066	1,260,185	381,650
31,732	*13,079*	*345,992*	*8,923*	*18,933*	*188,543*	*27,238*	*348,080*	*87,360*
44,358	63,938	525,153	56,136	56,362	499,137	87,828	912,105	294,290
23,601	9,177	100	888	3,537	126,669	11,679	203,571	140
.....	.....	70,000	7,500	5,000	.....	10,000	65,000	.....
366	1,147	19,892	84	577	3,689	650	45,483	13,713
23 967	10,324	89,992	8,472	9,114	130,358	22,329	314,054	13,853
249	.....	11,300	.....	.....	1,398	297	20,685	14,095
.....	.....	.....	.....	.....	.....	.....	.....	.....
168	571	2,338	.....	.....	827	70	1,639	373
417	571	13,638	.....	.....	2,225	367	22,324	14,468
53,565	26,078	1,078,288	45,084	34,567	511,931	174,692	891,995	240,114
122,307	**100,911**	**1,707,071**	**109,692**	**100,043**	**1,143,701**	**285,216**	**2,140,478**	**562,725**
.....	9,300	.....	.....	.....	54,684	9,100	55,500	11,100
1	52	6,651	2,001	581	5,641	6	5,915	30
201	1,185	3,577	331	891	8,337	546	48,626	37,147
202	10,537	10,228	2,332	1,472	68,662	9,652	110,041	48,277
53,565	26,078	1,078,288	45,084	34,567	511,931	174,692	891,995	240,114
.....	.....	.....	.....	.....	.....	.....	.....	.....
53,565	26,078	1,078,288	45,084	34,567	511,931	174,692	891,995	240,114
13,122	15,700	111,945	12,303	9,000	69,267	15,160	195,060	36,009
.....	.....	.....	.....	.....	.....	.....	.....	.....
55,418	48,596	493,723	49,973	55,004	493,791	84,729	931,004	238,325
.....	.....	7,887	.....	.....	.....	983	12,378	.....
68,540	64,296	618,555	62,276	64,004	563,058	100,872	1,138,442	274,334
122,307	**100,911**	**1,707,071**	**109,692**	**100,043**	**1,143,701**	**285,216**	**2,140,478**	**562,725**
26,869	33,349	422,816	33,883	34,190	302,645	63,419	588,521	145,550
3,166	24	6,035	314	1,489	15,002	911	29,571	5,233
30,035	**33,373**	**428,851**	**34,197**	**35,679**	**317,647**	**64,330**	**618,092**	**150,783**
14,602	21,925	351,051	21,332	23,672	193,917	41,214	378,510	93,460
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,439	2,557	36,179	4,278	2,872	17,718	5,811	36,981	14,275
4,630	3,103	28,792	2,918	3,477	37,183	9,130	90,591	16,763
.....	1,775	.....	.....	.....	7,517	1,132	9,495	3,401
2,331	2,131	26,166	1,662	1,961	16,218	2,937	31,550	7,797
.....	.....	.....	.....	.....	.....	.....	.....	.....
23,002	**31,491**	**442,188**	**30,190**	**31,982**	**272,553**	**60,224**	**547,127**	**135,696**
7,033	**1,882**	***13,337***	**4,007**	**3,697**	**45,094**	**4,106**	**70,965**	**15,087**
262	364	3,054	328	339	1,859	496	7,050	961

Municipal Electrical Utilities Financial

Municipality	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee	Nepean Twp.*
Population	315	1,984	1,045	2,672	4,458	35,147
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	29,138	250,407	85,612	245,422	450,991	3,188,287
Accumulated depreciation	*9,433*	*52,799*	*12,214*	*55,754*	*150,954*	*535,254*
Net fixed assets	19,705	197,608	73,398	189,668	300,037	2,653,033
CURRENT ASSETS						
Cash on hand and in bank	2,052	11,795	8,733	6,270	59,884	202,063
Investment in government securities	1,000	11,000	.....	20,000	22,000	.....
Accounts receivable (net)	217	3,143	801	2,282	6,433	551,748
Total current assets	3,269	25,938	9,534	28,552	88,317	753,811
OTHER ASSETS						
Inventory of stores	.....	7,975	.....	1,197	7,771	31,262
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	266	181	4,441	69,430
Total other assets	.....	7,975	266	1,378	12,212	100,692
Equity in Ontario Hydro Systems	32,686	96,092	43,061	212,600	381,347	.....
Total	**55,660**	**327,613**	**126,259**	**432,198**	**781,913**	**3,507,536**
LIABILITIES						
Debentures outstanding	.....	.....	12,700	.....	.....	3,000,000
Accounts payable	35	769	342	5,011	330	213,992
Other	107	2,836	781	1,826	6,957	136,880
Total liabilities	142	3,605	13,823	6,837	7,287	3,350,872
RESERVES						
Equity in Ontario Hydro Systems	32,686	96,092	43,061	212,600	381,347	.....
Other	.....	.....	.....	.....	.....	.....
Total reserves	32,686	96,092	43,061	212,600	381,347	.....
CAPITAL						
Debentures redeemed	4,500	31,636	6,431	21,627	70,000	.....
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	18,332	95,736	62,944	191,134	323,279	151,651
Contributed capital	.....	100,544	.....	.....	.....	5,013
Total capital	22,832	227,916	69,375	212,761	393,279	156,664
Total	**55,660**	**327,613**	**126,259**	**432,198**	**781,913**	**3,507,536**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	19,221	91,125	34,641	120,120	201,605	849,901
Other	43	2,247	169	1,521	50,964	32,194
Total revenue	**19,264**	**93,372**	**34,810**	**121,641**	**252,569**	**882,095**
EXPENSE						
Power purchased	15,865	56,952	18,410	87,957	157,581	452,359
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	946	15,607	1,780	12,836	18,916	45,511
Administration	589	14,072	3,186	11,371	40,220	75,037
Fixed charges—interest and principal	.....	.....	1,339	.....	.....	124,311
—depreciation	912	6,375	2,258	5,708	10,466	33,226
—other	.....	.....	.....	.....	.....	.....
Total expense	**18,312**	**93,006**	**26,973**	**117,872**	**227,183**	**730,444**
Net income or *net expense*	**952**	**366**	**7,837**	**3,769**	**25,386**	**151,651**
Number of customers	144	724	385	1,101	1,742	10,410

*six months operation

Statements for the Year Ended December 31, 1964

Neustadt	Newboro	Newburgh	Newbury	Newcastle	New Hamburg	Newmarket	New Toronto	Niagara
529	265	575	339	1,345	2,215	8,493	11,668	2,815
$	$	$	$	$	$	$	$	$
39,731	36,138	80,355	28,960	156,453	231,020	853,544	1,125,434	295,554
17,963	*8,868*	*23,751*	*10,465*	*48,665*	*49,635*	*203,566*	*239,918*	*79,008*
21,768	27,270	56,604	18,495	107,788	181,385	649,978	885,516	216,546
1,890	2,428	8,130	2,156	1,132	4,867	94,394	116,052	36,026
10,200	2,000	3,000	5,000	4,000	5,000	.....	155,000	10,000
893	163	526	1,049	2,005	1,728	20,257	13,939	2,839
12,983	4,591	11,656	8,205	7,137	11,595	114,651	284,991	48,865
.....	.....	.....	30	2,325	1,290	1,063	16,774	13,588
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1,326	1,148	.....	142	155	539	55,332	38
.....	1,326	1,148	30	2,467	1,445	1,602	72,106	13,626
35,285	5,764	15,043	21,498	64,980	223,267	374,339	2,897,180	211,387
70,036	**38,951**	**84,451**	**48,228**	**182,372**	**417,692**	**1,140,570**	**4,139,793**	**490,424**
.....	5,233	.....	.....	9,000	6,000	41,834	.....	18,251
138	3	13,719	172	1,105	105	3,840	15,000	300
174	81	262	30	1,059	789	12,752	23,970	3,837
312	5,317	13,981	202	11,164	6,894	58,426	38,970	22,388
35,285	5,764	15,043	21,498	64,980	223,267	374,339	2,897,180	211,387
.....	.....	.....	.....	.....	.....	1,972	.....	.....
35,285	5,764	15,043	21,498	64,980	223,267	376,311	2,897,180	211,387
15,504	11,767	14,000	9,754	19,858	26,264	53,045	8,000	62,256
.....	.....	.....	.....	.....	.....	.....	.....	.....
18,935	16,103	35,927	16,549	86,370	161,267	652,788	1,194,696	190,393
.....	.....	5,500	225	.....	.....	.....	947	4,000
34,439	27,870	55,427	26,528	106,228	187,531	705,833	1,203,643	256,649
70,036	**38,951**	**84,451**	**48,228**	**182,372**	**417,692**	**1,140,570**	**4,139,793**	**490,424**
15,661	10,678	21,493	8,687	60,627	102,660	446,359	1,464,647	115,430
300	150	675	232	2,032	1,353	3,393	19,147	3,779
15,961	**10,828**	**22,168**	**8,919**	**62,659**	**104,013**	**449,752**	**1,483,794**	**119,209**
13,944	5,114	13,533	5,567	38,880	67,395	307,344	1,308,273	71,630
.....	.....	.....	.....	.....	.....	.....	.....	.....
867	895	2,605	693	4,671	8,507	27,806	43,931	17,958
1,754	1,226	2,469	903	7,097	8,493	45,535	77,039	9,729
.....	1,173	1,560	.....	2,130	1,358	6,429	.....	2,568
1,411	1,074	2,381	962	3,994	5,190	23,003	27,413	7,560
.....	.....	.....	.....	.....	.....	.....	.....	.....
17,976	**9,482**	**22,548**	**8,125**	**56,772**	**90,943**	**410,117**	**1,456,656**	**109,445**
2,015	**1,346**	***380***	**794**	**5,887**	**13,070**	**39,635**	**27,138**	**9,764**
210	158	194	140	525	792	2,820	4,164	1,096

Municipal Electrical Utilities Financial

Municipality	Niagara Falls	Nipigon Twp.	North Bay	NorthYork Twp.	Norwich	Norwood
Population	53,352	2,749	23,349	334,887	1,613	1,127
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	6,101,845	210,481	2,262,659	34,003,218	130,140	125,344
Accumulated depreciation	*1,432,458*	*61,884*	*629,822*	*5,703,956*	*55,401*	*42,565*
Net fixed assets	4,669,387	148,597	1,632,837	28,299,262	74,739	82,779
CURRENT ASSETS						
Cash on hand and in bank	246,963	8,681	328,416	2,511,775	24,969	3,852
Investment in government securities	63,000	22,968	.....	15,500	7,500	23,000
Accounts receivable (net)	89,338	2,357	30,581	369,739	2,509	935
Total current assets	399,301	34,006	358,997	2,897,014	34,978	27,787
OTHER ASSETS						
Inventory of stores	173,734	225	36,917	591,324	4,805	.....
Sinking fund on local debentures	.....	.....	.....	1,463,081	.....	.....
Miscellaneous	19,171	.....	8,646	294,851	113	234
Total other assets	192,905	225	45,563	2,349,256	4,918	234
Equity in Ontario Hydro Systems	3,916,698	137,255	239,116	8,127,400	157,672	58,955
Total	**9,178,291**	**320,083**	**2,276,513**	**41,672,932**	**272,307**	**169,755**
LIABILITIES						
Debentures outstanding	766,613	.....	340,000	11,555,201	.....	.....
Accounts payable	11,875	142	2,072	687,813	13	4
Other	104,231	2,545	86,604	1,477,672	1,286	1,057
Total liabilities	882,719	2,687	428,676	13,720,686	1,299	1,061
RESERVES						
Equity in Ontario Hydro Systems	3,916,698	137,255	239,116	8,127,400	157,672	58,955
Other	.....	.....	1,203	.....	.....	.....
Total reserves	3,916,698	137,255	240,319	8,127,400	157,672	58,955
CAPITAL						
Debentures redeemed	1,482,534	10,000	392,158	3,514,265	13,756	55,100
Local sinking fund	.....	.....	.....	1,463,081	.....	.....
Accumulated net income invested in plant or held as working funds	2,817,795	170,141	1,215,360	14,310,306	96,793	51,257
Contributed capital	78,545	.....	.....	537,194	2,787	3,382
Total capital	4,378,874	180,141	1,607,518	19,824,846	113,336	109,739
Total	**9,178,291**	**320,083**	**2,276,513**	**41,672,932**	**272,307**	**169,755**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	2,310,497	96,396	1,093,643	15,225,996	63,808	38,532
Other	25,229	4,009	32,026	518,370	3,284	2,168
Total revenue	**2,335,726**	**100,405**	**1,125,669**	**15,744,366**	**67,092**	**40,700**
EXPENSE						
Power purchased	1,414,091	63,696	627,449	9,722,080	38,848	28,153
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	276,679	12,454	107,293	1,231,464	10,445	3,412
Administration	237,284	11,410	127,708	1,085,500	7,245	3,780
Fixed charges—interest and principal	101,510	.....	39,717	1,141,650	.....	.....
—depreciation	147,491	5,363	55,285	733,666	3,293	3,896
—other	.....	.....	.....	.....	.....	.....
Total expense	**2,177,055**	**92,923**	**957,452**	**13,914,360**	**59,831**	**39,241**
Net income or *net expense*	**158,671**	**7,482**	**168,217**	**1,830,006**	**7,261**	**1,459**
Number of customers	16,873	788	8,119	109,000	693	423

Statements for the Year Ended December 31, 1964

Oakville	Oil Springs	Omemee	Orangeville	Orillia	Orono	Oshawa	Ottawa	Otterville
48,523	516	811	5,106	14,854	915	69,822	308,031	754
$	$	$	$	$	$	$	$	$
6,696,923	74,546	80,650	479,164	5,433,307	103,853	8,927,883	36,023,329	69,588
1,298,513	*22,595*	*30,668*	*104,431*	*1,396,364*	*25,071*	*2,266,068*	*7,609,983*	*25,250*
5,398,410	51,951	49,982	374,733	4,036,943	78,782	6,661,815	28,413,346	44,338
246,930	1,859	2,172	9,561	42,488	590	22,310	330,341	5,525
.....	11,000	5,500	.....	124,860	2,500	400,000	355,000	.....
96,207	449	562	3,011	74,003	354	365,705	957,552	416
343,137	13,308	8,234	12,572	241,351	3,444	788,015	1,642,893	5,941
80,298	304	4,437	8,350	77,373	3,700	147,895	456,900	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
85,390	1,286	.....	1,643	.....	272	9,742	2,148	.....
165,688	1,590	4,437	9,993	77,373	3,972	157,637	459,048	.....
1,603,623	85,687	36,238	330,281	226,511	33,912	5,470,576	9,794,435	49,288
7.510.858	**152.536**	**98.891**	**727.579**	**4.582.178**	**120.110**	**13.078.043**	**40.309.722**	**99.567**
2,637,924	.....	.....	68,500	549,000	15,000	229,000	3,554,000	.....
59,507	1	1,964	6,494	128,794	771	585,524	929,248	59
166,737	175	319	4,290	367,098	881	112,433	.....	464
2,864,168	176	2,283	79,284	1,044,892	16,652	926,957	4,483,248	523
1,603,623	85,687	36,238	330,281	226,511	33,912	5,470,576	9,794,435	49,288
.....	.....	.....	.....	125,962	.....	209	255,418	.....
1,603,623	85,687	36,238	330,281	352,473	33,912	5,470,785	10,049,853	49,288
699,197	16,721	12,000	27,094	2,063,000	8,000	573,622	6,336,698	4.500
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,283,865	49,952	48,370	290,920	1,107,173	61,546	5,901,899	17,029,518	45,256
60,005	.....	.....	.....	14,640	.....	204,780	2,410,405	.....
3,043,067	66,673	60,370	318,014	3,184,813	69,546	6,680,301	25,776,621	49,756
7.510.858	**152.536**	**98.891**	**727.579**	**4.582.178**	**120.110**	**13.078.043**	**40.309.722**	**99.567**
4,193,046	23,619	33,532	234,014	869,700	42,430	3,857,439	13,012,886	26,320
120,928	1,571	823	2,790	14,025	1,379	187,711	317,416	308
4.313.974	**25.190**	**34.355**	**236.804**	**883.725**	**43.809**	**4.045.150**	**13.330.302**	**26.628**
3,107,000	12,937	21,759	160,309	332,484	26,647	3,199,974	8,406,409	16,804
.....	.....	.....	.....	143,300	.....	.....	258,967	.....
294,675	2,065	5,361	15,327	93,544	5,142	333,024	1,356,087	1,104
243,339	2,814	3,702	30,444	100,842	7,478	254,593	833,320	1,998
288,509	.....	.....	3,109	136,851	735	35,018	560,790	.....
143,512	2,286	2,596	11,739	112,287	2,508	199,599	926,194	2,230
.....	.....	.....	.....	.....	.....	.....	17,100	.....
4.077.035	**20.102**	**33.418**	**220.928**	**919.308**	**42.510**	**4.022.208**	**12.358.867**	**22.136**
236.939	**5.088**	**937**	**15.876**	*35,583*	**1.299**	**22.942**	**971.435**	**4.492**
13,904	241	316	1,894	5,665	381	22,710	97,645	297

Municipal Electrical Utilities Financial

Municipality	Owen Sound	Paisley	Palmerston	Paris	Parkhill	Parry Sound
Population	17,914	744	1,590	6,025	1,091	6,054
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	1,904,466	71,498	240,840	685,458	147,162	1,052,777
Accumulated depreciation	*503,301*	*15,933*	*62,683*	*196,373*	*35,088*	*303,928*
Net fixed assets	1,401,165	55,565	178,157	489,085	112,074	748,849
CURRENT ASSETS						
Cash on hand and in bank	11,289	5,604	7,603	19,989	12,355	2,528
Investment in government securities	70,000	11,000	.....	.....	6,000	16,500
Accounts receivable (net)	99,042	980	579	4,195	2,552	3,488
Total current assets	180,331	17,584	8,182	24,184	20,907	22,516
OTHER ASSETS						
Inventory of stores	37,630	260	911	944	1,673	7,087
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	22,863	5,683	275	119	127	3,575
Total other assets	60,493	5,943	1,186	1,063	1,800	10,662
Equity in Ontario Hydro Systems	1,459,031	65,080	200,968	530,190	114,793	118,046
Total	**3,101,020**	**144,172**	**388,493**	**1,044,522**	**249,574**	**900,073**
LIABILITIES						
Debentures outstanding	8,000	.....	11,000	76,400	5,300	52,000
Accounts payable	7,699	40	727	2,382	173	5,176
Other	14,788	390	2,800	2,169	1,082	10,767
Total liabilities	30,487	430	14,527	80,951	6,555	67,943
RESERVES						
Equity in Ontario Hydro Systems	1,459,031	65,080	200,968	530,190	114,793	118,046
Other	654	.....	.....	.....	.....	2,310
Total reserves	1,459,685	65,080	200,968	530,190	114,793	120,356
CAPITAL						
Debentures redeemed	199,718	13,623	31,000	123,207	24,497	416,500
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	1,411,130	65,039	123,135	310,174	103,729	295,274
Contributed capital	.....	.....	18,863	.....	.....	.....
Total capital	1,610,848	78,662	172,998	433,381	128,226	711,774
Total	**3,101,020**	**144,172**	**388,493**	**1,044,522**	**249,574**	**900,073**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	731,407	30,520	78,386	262,449	69,681	272,398
Other	49,344	1,442	38	2,581	709	13,353
Total revenue	**780,751**	**31,962**	**78,424**	**265,030**	**70,390**	**285,751**
EXPENSE						
Power purchased	494,261	21,291	42,880	162,339	43,778	128,499
Local generation	.....	.....	.....	.....	.....	33,728
Operation and maintenance	97,344	1,963	6,910	24,686	5,907	32,296
Administration	95,770	4,139	11,424	18,578	8,050	30,886
Fixed charges—interest and principal	10,707	.....	1,742	8,732	996	6,955
—depreciation	41,398	1,879	6,398	18,301	3,846	22,423
—other	.....	.....	.....	.....	.....	.....
Total expense	**739,480**	**29,272**	**69,354**	**232,636**	**62,577**	**254,787**
Net income or *net expense*	**41,271**	**2,690**	**9,070**	**32,394**	**7,813**	**30,964**
Number of customers	6,447	327	646	2,078	488	2,100

Statements for the Year Ended December 31, 1964

Penetang-uishene 5,145	Perth 5,682	Peter-borough 52,185	Petrolia 3,793	Pickering 1,860	Picton 5,016	Planta-genet* 895	Plattsville 495	Point Edward 2,739
$	$	$	$	$	$	$	$	$
333,835	588,178	7,745,404	440,072	145,317	571,347	74,250	54,662	317,325
137,899	*198,122*	*2,310,678*	*140,697*	*33,493*	*173,087*	*18,000*	*8,238*	*85,621*
195,936	390,056	5,434,726	299,375	111,824	398,260	56,250	46,424	231,704
7,943	1,395	249,432	17,875	12,562	19,388	4,557	13,232	33,257
75,000	10,000	.....	15,000	.....	2,000	.....	4,500	5,000
2,721	4,878	228,927	10,245	11,545	2,754	167	384	3,661
85,664	16,273	478,359	43,120	24,107	24,142	4,724	18,116	41,918
2,180	17,444	73,801	21,692	210	17,955	.....	26	153
.....	.....	.....	.....	.....	.....	.....	.....	.....
348	.....	15,431	.....	2,643	2,711	1,426	.....	1,117
2,528	17,444	89,232	21,692	2,853	20,666	1,426	26	1,270
307,756	483,648	3,490,572	404,189	22,074	421,932	.....	64,301	472,451
591,884	**907,421**	**9,492,889**	**768,376**	**160,858**	**865,000**	**62,400**	**128,867**	**747,343**
.....	.....	1,607,300	.....	61,000	50,000	55,000	.....	.....
589	1,883	196,137	6,192	6,317	2,570	2,754	238	3,317
2,103	131	12,790	5,944	1,660	11,608	3,001	.....	2,384
2,692	2,014	1,816,227	12,136	68,977	64,178	60,755	238	5,701
307,756	483,648	3,490,572	404,189	22,074	421,932	.....	64,301	472,451
.....	.....	5,837	.....	232	.....	.....	.....	.....
307,756	483,648	3,496,409	404,189	22,306	421,932	.....	64,301	472,451
36,983	85,045	1,099,311	50,000	12,304	63,182	.....	5,237	17,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
243,625	325,607	3,025,792	302,051	57,051	315,708	1,645	59,091	252,191
828	11,107	55,150	.....	220	.....	.....	.....	.....
281,436	421,759	4,180,253	352,051	69,575	378,890	1,645	64,328	269,191
591,884	**907,421**	**9,492,889**	**768,376**	**160,858**	**865,000**	**62,400**	**128,867**	**747,343**
140,610	267,885	2,693,423	176,934	64,554	236,924	29,787	40,848	278,462
5,241	3,174	76,161	2,242	2,389	2,362	1,288	293	3,686
145,851	**271,059**	**2,769,584**	**179,176**	**66,943**	**239,286**	**31,075**	**41,141**	**282,148**
111,895	199,003	1,836,217	91,516	39,796	171,601	16,422	31,085	225,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
16,661	15,624	291,681	30,458	3,605	21,067	2,126	713	7,510
13,160	25,931	213,412	34,156	5,364	19,533	1,612	1,078	26,243
.....	.....	172,425	.....	6,520	4,932	4,096	.....	.....
9,864	16,182	189,920	11,286	3,754	15,334	1,182	1,541	8,504
.....	.....	.....	.....	.....	.....	.....	.....	.....
151,580	**256,740**	**2,703,655**	**167,416**	**59,039**	**232,467**	**25,438**	**34,417**	**267,257**
5,729	**14,319**	**65,929**	**11,760**	**7,904**	**6,819**	**5,637**	**6,724**	**14,891**
1,414	2,182	16,930	1,368	542	1,849	246	202	871

*9 Months Operation.

Municipal Electrical Utilities Financial

Municipality	Port Arthur	Port Burwell	Port Colborne	Port Credit	Port Dover	Port Elgin
Population	45,416	684	17,242	7,301	3,199	2,063
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	6,589,563	95,078	1,593,000	918,693	359,103	290,825
Accumulated depreciation	*2,093,236*	*37,819*	*306,299*	*180,368*	*110,542*	*57,689*
Net fixed assets	4,496,327	57,259	1,286,701	738,325	248,561	233,136
CURRENT ASSETS						
Cash on hand and in bank	513,470	3,844	82,831	71,321	24,309	2,780
Investment in government securities	99,208	.....	10,000	13,500	.....	.....
Accounts receivable (net)	278,349	413	3,582	12,945	6,395	6,800
Total current assets	891,027	4,257	96,413	97,766	30,704	9,580
OTHER ASSETS						
Inventory of stores	165,799	158	15,369	10,746	30	3,673
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	6,293	1,026	9,649	3,435	.....	528
Total other assets	172,092	1,184	25,018	14,181	30	4,201
Equity in Ontario Hydro Systems	10,552,169	25,563	756,568	616,642	209,272	143,348
Total	**16,111,615**	**88,263**	**2,164,700**	**1,466,914**	**488,567**	**390,265**
LIABILITIES						
Debentures outstanding	302,000	25,700	245,100	30,200	56,407	.....
Accounts payable	240,167	272	7,883	5,839	2,886	3,888
Other	.....	3,702	20,732	8,444	9,626	4,550
Total liabilities	542,167	29,674	273,715	44,483	68,919	8,438
RESERVES						
Equity in Ontario Hydro Systems	10,552,169	25,563	756,568	616,642	209,272	143,348
Other	102,175	.....	.....	.....	.....	.....
Total reserves	10,654,344	25,563	756,568	616,642	209,272	143,348
CAPITAL						
Debentures redeemed	674,317	14,300	270,560	106,901	52,121	37,787
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	4,165,747	18,726	863,857	692,801	158,255	196,453
Contributed capital	75,040	.....	.....	6,087	.....	4,239
Total capital	4,915,104	33,026	1,134,417	805,789	210,376	238,479
Total	**16,111,615**	**88,263**	**2,164,700**	**1,466,914**	**488,567**	**390,265**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	2,550,563	31,509	740,031	786,717	169,139	125,501
Other	66,460	131	8,012	16,972	1,636	2,491
Total revenue	**2,617,023**	**31,640**	**748,043**	**803,689**	**170,775**	**127,992**
EXPENSE						
Power purchased	1,590,902	13,293	460,779	632,031	104,029	73,552
Local generation	24,930	.....	.....	.....	.....	.....
Operation and maintenance	225,205	7,656	60,843	29,868	20,469	12,977
Administration	178,922	3,789	71,144	43,176	13,307	15,123
Fixed charges—interest and principal	35,343	2,912	25,667	3,218	6,861	.....
—depreciation	157,931	3,025	33,811	20,680	10,368	6,254
—other	.....	.....	.....	.....	.....	.....
Total expense	**2,213,233**	**30,675**	**652,244**	**728,973**	**155,034**	**107,906**
Net income or *net expense*	**403,790**	**965**	**95,799**	**74,716**	**15,741**	**20,086**
Number of customers	14,394	478	5,289	2,780	1,665	1,145

Statements for the Year Ended December 31, 1964

Port Hope	Port McNicoll	Port Perry	Port Rowan	Port Stanley	Prescott	Preston	Priceville	Princeton
8,350	1,199	2,371	781	1,370	5,216	12,365	138	421
$	$	$	$	$	$	$	$	$
986,330	114,075	185,600	83,714	210,442	399,142	1,538,171	17,521	39,916
306,584	*22,516*	*40,827*	*20,399*	*89,881*	*133,286*	*400,513*	*7,568*	*10,079*
679,746	91,559	144,773	63,315	120,561	265,856	1,137,658	9,953	29,837
89,988	834	2,121	2,304	6,691	13,764	87,911	4,380	3,554
.....	25,625	7,000	.....	9,000	20,000	.....	5,500	3,000
2,875	10,993	5,857	226	6,509	4,046	6,302	291	271
92,863	37,452	14,978	2,530	22,200	37,810	94,213	10,171	6,825
34,906	1,785	1,451	31	596	8,121	38,657	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
950	3,057	537	.....	.....	.....	1,915	.....	.....
35,856	4,842	1,988	31	596	8,121	40,572	.....	.....
723,132	87,721	137,122	42,802	197,797	359,875	1,227,346	6,038	46,840
1,531,597	**221,574**	**298,861**	**108,678**	**341,154**	**671,662**	**2,499,789**	**26,162**	**83,502**
23,000	.....	.....	.....	.....	.....	124,400	2,025	750
3,234	.....	6,620	4,832	5	1,089	3,790	.....	35
43,998	492	2,517	496	1,285	4,420	49,419	84	286
70,232	492	9,137	5,328	1,290	5,509	177,609	2,109	1,071
723,132	87,721	137,122	42,802	197,797	359,875	1,227,346	6,038	46,840
.....	.....	.....	.....	.....	.....	.....	.....	.....
723,132	87,721	137,122	42,802	197,797	359,875	1,227,346	6,038	46,840
221,000	9,804	19,882	11,000	18,950	23,981	351,883	10,141	5,245
.....	.....	.....	.....	.....	.....	.....	.....	.....
517,233	123,557	132,720	49,548	123,117	267,844	734,664	7,874	30,346
.....	.....	.....	.....	.....	14,453	8,287	.....	.....
738,233	133,361	152,602	60,548	142,067	306,278	1,094,834	18,015	35,591
1,531,597	**221,574**	**298,861**	**108,678**	**341,154**	**671,662**	**2,499,789**	**26,162**	**83,502**
441,969	58,323	94,203	24,527	80,671	195,084	598,417	4,365	17,802
8,581	2,768	1,828	707	849	6,745	7,952	313	175
450,550	**61,091**	**96,031**	**25,234**	**81,520**	**201,829**	**606,369**	**4,678**	**17,977**
296,675	43,474	67,641	15,170	48,962	151,956	376,202	2,097	13,457
.....	.....	.....	.....	.....	.....	.....	.....	.....
42,879	5,303	5,393	4,643	15,943	12,422	64,826	881	796
53,433	4,912	8,475	1,630	10,798	17,667	39,963	427	1,110
18,096	.....	.....	.....	.....	.....	29,682	417	310
24,018	2,956	5,097	2,258	6,683	11,377	39,517	626	1,189
.....	.....	.....	.....	.....	.....	.....	.....	.....
435,101	**56,645**	**86,606**	**23,701**	**82,386**	**193,422**	**550,190**	**4,448**	**16,862**
15,449	**4,446**	**9,425**	**1,533**	***866***	**8,407**	**56,179**	**230**	**1,115**
2,893	557	866	343	1,154	1,815	3,868	74	171

Municipal Electrical Utilities Financial

Municipality	Queenston	Rainy River	Red Rock	Renfrew	Richmond	Richmond Hill
Population	524	1,009	1,941	8,550	1,278	19,217
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	47,968	103,154	109,027	1,627,764	110,900	1,556,905
Accumulated depreciation	*11,497*	*56,175*	*35,856*	*406,235*	*17,222*	*310,728*
Net fixed assets	36,471	46,979	73,171	1,221,529	93,678	1,246,177
CURRENT ASSETS						
Cash on hand and in bank	4,005	45,953	8,751	30,980	21,876	167,348
Investment in government securities	10,000	.....	16,583	.....	.....	.....
Accounts receivable (net)	1,948	2,938	654	3,961	2,127	30,314
Total current assets	15,953	48,891	25,988	34,941	24,003	197,662
OTHER ASSETS						
Inventory of stores	.....	1,392	1,738	15,012	.....	23,274
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	473	1,145	1,833	2,177	88	12,329
Total other assets	473	2,537	3,571	17,189	88	35,603
Equity in Ontario Hydro Systems	41,156	5,975	55,235	223,240	38,910	449,326
Total	**94,053**	**104,382**	**157,965**	**1,496,899**	**156,679**	**1,928,768**
LIABILITIES						
Debentures outstanding	.....	.....	5,850	129,278	18,800	530,030
Accounts payable	91	1,036	208	827	95	8,487
Other	240	515	250	11,986	666	47,505
Total liabilities	331	1,551	6,308	142,091	19,561	586,022
RESERVES						
Equity in Ontario Hydro Systems	41,156	5,975	55,235	223,240	38,910	449,326
Other	.....	.....	.....	.....	214	.....
Total reserves	41,156	5,975	55,235	223,240	39,124	449,326
CAPITAL						
Debentures redeemed	9,500	26,087	25,350	641,958	16,087	187,438
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	42,832	70,769	71,072	489,610	79,607	697,980
Contributed capital	234	.....	.....	.....	2,300	8,002
Total capital	52,566	96,856	96,422	1,131,568	97,994	893,420
Total	**94,053**	**104,382**	**157,965**	**1,496,899**	**156,679**	**1,928,768**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	19,961	50,999	42,721	342,518	45,908	768,337
Other	905	2,021	1,214	2,077	691	30,220
Total revenue	**20,866**	**53,020**	**43,935**	**344,595**	**46,599**	**798,557**
EXPENSE						
Power purchased	15,781	26,810	33,126	188,088	30,884	469,444
Local generation	.....	.....	.....	22,629	.....	.....
Operation and maintenance	2,019	8,085	2,271	24,522	2,146	57,856
Administration	1,251	11,098	4,341	32,568	1,741	54,654
Fixed charges—interest and principal	.....	.....	2,223	19,790	1,976	60,459
—depreciation	1,383	3,567	3,327	35,938	2,984	35,441
—other	.....	.....	.....	.....	.....	.....
Total expense	**20,434**	**49,560**	**45,288**	**323,535**	**39,731**	**677,854**
Net income or *net expense*	**432**	**3,460**	***1,353***	**21,060**	**6,868**	**120,703**
Number of customers	179	425	351	2,774	376	5,314

Statements for the Year Ended December 31, 1964

Ridgetown	Ripley	Riverside	Rockland	Rockwood	Rodney	Rosseau	Russell	St. Catharines
2,712	458	19,498	3,549	807	1,051	235	560	86,974
$	$	$	$	$	$	$	$	$
243,840	56,602	1,162,492	171,533	59,920	77,135	28,612	56,587	9,564,056
51,684	*9,179*	*327,466*	*31,198*	*12,201*	*28,879*	*7,612*	*12,277*	*1,937,477*
192,156	47,423	835,026	140,335	47,719	48,256	21,000	44,310	7,626,579
9,305	2,709	17,429	3,695	10,027	3,347	3,894	5,467	430,160
15,044	8,000	.....	.....	1,500	1,200	2,500	5,000	.....
4,092	157	39,948	4,783	771	635	189	530	487,755
28,441	10,866	57,377	8,478	12,298	5,182	6,583	10,997	917,915
.....	.....	32,155	75	60	111	.....	.....	256,819
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,090	1,714	3,817	1,911	.....	.....	.....	.....	42,501
2,090	1,714	35,972	1,986	60	111	.....	.....	299,320
208,973	47,301	617,013	39,846	56,771	73,795	19,682	34,378	7,505,532
431,660	**107,304**	**1,545,388**	**190,645**	**116,848**	**127,344**	**47,265**	**89,685**	**16,349,346**
34,529	.....	97,100	35,000	5,157	.....	.....	.....	15,000
40	2,208	10,371	1,116	161	269	675	242	988,307
6,947	443	22,786	4,555	664	655	43	52	88,198
41,516	2,651	130,257	40,671	5,982	924	718	294	1,091,505
208,973	47,301	617,013	39,846	56,771	73,795	19,682	34,378	7,505,532
.....	.....	.....	.....	.....	.....	.....	.....	.....
208,973	47,301	617,013	39,846	56,771	73,795	19,682	34,378	7,505,532
45,625	12,744	172,259	10,000	7,172	8,500	11,933	8,808	388,709
.....	.....	.....	.....	.....	.....	.....	.....	.....
135,546	44,608	625,859	100,128	46,923	44,125	14,932	46,205	7,119,844
.....	.....	.....	.....	.....	.....	.....	.....	243,756
181,171	57,352	798,118	110,128	54,095	52,625	26,865	55,013	7,752,309
431,660	**107,304**	**1,545,388**	**190,645**	**116,848**	**127,344**	**47,265**	**89,685**	**16,349,346**
117,924	21,383	508,633	81,992	30,102	40,783	9,875	19,910	5,279,982
2,881	423	9,773	515	324	578	228	184	68,872
120,805	**21,806**	**518,406**	**82,507**	**30,426**	**41,361**	**10,103**	**20,094**	**5,348,854**
74,103	15,081	311,908	57,576	17,542	23,617	6,170	13,747	3,928,419
.....	.....	.....	.....	.....	.....	.....	.....	.....
9,380	888	59,997	7,313	1,090	6,501	1,197	692	330,197
12,846	1,523	67,101	4,649	3,405	5,052	940	1,675	301,044
5,200	.....	12,050	2,766	589	.....	.....	.....	30,780
6,453	1,524	27,327	4,504	1,715	2,454	886	1,644	224,808
.....	.....	.....	.....	.....	.....	.....	.....	.....
107,982	**19,016**	**478,383**	**76,808**	**24,341**	**37,624**	**9,193**	**17,758**	**4,815,248**
12,823	**2,790**	**40,023**	**5,699**	**6,085**	**3,737**	**910**	**2,336**	**533,606**
1,114	212	5,827	934	303	431	129	214	27,619

Municipal Electrical Utilities Financial

Municipality	St. Clair Beach	St. George	St. Jacobs	St. Mary's	St. Thomas	Sandwich East Twp.
Population	1,536	810	731	4,646	22,549	22,345
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	115,326	63,086	65,263	672,599	2,587,725	1,765,144
Accumulated depreciation	*35,205*	*12,076*	*16,402*	*170,424*	*752,003*	*516,331*
Net fixed assets	80,121	51,010	48,861	502,175	1,835,722	1,248,813
CURRENT ASSETS						
Cash on hand and in bank	22,035	5,409	8,304	78,068	62,454	51,101
Investment in government securities	.....	6,000	5,000	42,500	35,000	192,489
Accounts receivable (net)	320	12	1,393	2,735	89,096	34,587
Total current assets	22,355	11,421	14,697	123,303	186,550	278,177
OTHER ASSETS						
Inventory of stores	.....	90	.....	19,092	71,344	48,510
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	.....	.....	4,830	37,472
Total other assets	.....	90	.....	19,092	76,174	85,982
Equity in Ontario Hydro Systems	52,957	68,649	87,671	749,597	2,274,119	341,313
Total	**155,433**	**131,170**	**151,229**	**1,394,167**	**4,372,565**	**1,954,285**
LIABILITIES						
Debentures outstanding	.....	.....	.....	26,313	182,000	756,000
Accounts payable	1,174	2,359	.....	5	78	51,014
Other	400	785	.....	7,122	64,785	45,537
Total liabilities	1,574	3,144	.....	33,440	246,863	852,551
RESERVES						
Equity in Ontario Hydro Systems	52,957	68,649	87,671	749,597	2,274,119	341,313
Other	.....	.....	.....	.....	.....	.....
Total reserves	52,957	68,649	87,671	749,597	2,274,119	341,313
CAPITAL						
Debentures redeemed	17,694	6,000	6,000	163,894	156,786	280,257
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	76,852	53,179	57,558	445,329	1,694,797	433,960
Contributed capital	6,356	198	.....	1,907	.....	46,204
Total capital	100,902	59,377	63,558	611,130	1,851,583	760,421
Total	**155,433**	**131,170**	**151,229**	**1,394,167**	**4,372,565**	**1,954,285**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	45,343	31,404	36,324	626,625	1,181,195	712,507
Other	659	618	214	5,485	14,805	10,959
Total revenue	**46,002**	**32,022**	**36,538**	**632,110**	**1,196,000**	**723,466**
EXPENSE						
Power purchased	28,006	24,130	25,770	532,685	717,493	346,986
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	4,063	3,161	2,317	24,149	187,531	97,312
Administration	5,562	2,408	2,007	27,507	100,632	104,930
Fixed charges—interest and principal	737	.....	.....	5,214	16,396	85,923
—depreciation	3,717	1,593	1,910	16,773	67,123	45,250
—other	.....	.....	.....	.....	.....	.....
Total expense	**42,085**	**31,292**	**32,004**	**606,328**	**1,089,175**	**680,401**
Net income or *net expense*	**3,917**	**730**	**4,534**	**25,782**	**106,825**	**43,065**
Number of customers	442	290	265	1,724	8,195	6,577

Statements for the Year Ended December 31, 1964

Sandwich West Twp. 31,334	Sarnia 50,979	Scarborough Twp. 251,675	Schreiber Twp. 2,184	Seaforth 2,278	Shelburne 1,315	Simcoe 9,853	Sioux Lookout 2,685	Smith's Falls 9,749
$	$	$	$	$	$	$	$	$
2,666,304	6,741,037	26,208,524	173,604	324,862	143,105	983,486	266,184	988,730
666,390	*1,682,932*	*4,948,663*	*45,785*	*61,881*	*50,621*	*279,591*	*59,408*	*294,223*
1,999,914	5,058,105	21,259,861	127,819	262,981	92,484	703,895	206,776	694,507
167,288	171,046	1,154,495	15,236	14,755	18,619	30,360	38,515	60,142
.....	.....	326,000	20,000	9,000	14,000	.....	5,000	20,000
43,077	161,328	551,651	2,344	4,861	1,620	6,999	2,168	7,921
210,365	332,374	2,032,146	37,580	28,616	34,239	37,359	45,683	88,063
31,064	185,172	253,853	1,681	471	426	963	7,851	22,847
.....	.....	1,573,404	.....	.....	.....	.....	.....	.....
60,899	103,971	184,776	.....	759	.....	36,944	36	6
91,963	289,143	2,012,033	1,681	1,230	426	37,907	7,887	22,853
629,149	6,471,729	6,482,028	73,495	250,278	116,711	763,349	18,817	770,992
2,931,391	**12,151,351**	**31,786,068**	**240,575**	**543,105**	**243,860**	**1,542,510**	**279,163**	**1,576,415**
893,200	769,800	9,100,251	.....	17,500	.....	.....	.....	.....
8,835	60,676	985,117	39	12,890	525	2,926	108	.....
136,305	143,751	698,941	.....	4,156	211	13,019	4,365	.....
1,038,340	974,227	10,784,309	39	34,546	736	15,945	4,473	.....
629,149	6,471,729	6,482,028	73,495	250,278	116,711	763,349	18,817	770,992
.....	.....	.....	.....	.....	.....	.....	.....	.....
629,149	6,471,729	6,482,028	73,495	250,278	116,711	763,349	18,817	770,992
402,300	746,592	2,817,488	50,000	56,940	16,991	75,435	.....	147,662
.....	.....	1,573,404	.....	.....	.....	.....	.....	.....
861,602	3,883,606	9,511,945	117,041	200,841	109,422	687,188	255,873	657,761
.....	75,197	616,894	.....	500	.....	593	.....	.....
1,263,902	4,705,395	14,519,731	167,041	258,281	126,413	763,216	255,873	805,423
2,931,391	**12,151,351**	**31,786,068**	**240,575**	**543,105**	**243,860**	**1,542,510**	**279,163**	**1,576,415**
1,184,843	6,843,275	10,404,175	84,428	109,613	61,101	502,572	137,694	500,832
16,738	56,467	433,532	1,398	2,066	1,006	11,249	1,192	3,188
1,201,581	**6,899,742**	**10,837,707**	**85,826**	**111,679**	**62,107**	**513,821**	**138,886**	**504,020**
702,413	5,592,156	6,929,536	56,356	65,481	41,695	376,180	87,050	323,823
.....	.....	.....	.....	.....	.....	.....	.....	.....
172,642	401,861	703,775	5,801	11,434	2,996	41,919	20,595	40,644
90,475	309,015	594,774	9,883	11,299	6,277	28,449	18,214	34,467
108,163	68,398	952,293	.....	3,487	.....	.....	.....	.....
68,067	156,102	607,197	4,885	7,530	4,566	23,692	6,937	26,769
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,141,760	**6,527,532**	**9,787,575**	**76,925**	**99,231**	**55,534**	**470,240**	**132,796**	**425,703**
59,821	**372,210**	**1,050,132**	**8,901**	**12,448**	**6,573**	**43,581**	**6,090**	**78,317**
8,617	15,559	72,393	681	916	608	3,657	953	3,480

Municipal Electrical Utilities Financial

Municipality	Smithville	Southampton	South River	Springfield	Stayner	Stirling
Population	899	1,848	962	506	1,695	1,364
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	97,111	257,758	144,777	45,310	163,818	156,157
Accumulated depreciation	*21,756*	*57,097*	*46,544*	*17,591*	*31,623*	*42,776*
Net fixed assets	75,355	200,661	98,233	27,719	132,195	113,381
CURRENT ASSETS						
Cash on hand and in bank	2,660	10,024	10,391	5,894	3,792	6,729
Investment in government securities	3,000	10,080	.....	500	1,000	.....
Accounts receivable (net)	550	1,129	197	274	1,175	431
Total current assets	6,210	21,233	10,588	6,668	5,967	7,160
OTHER ASSETS						
Inventory of stores	.....	7,055	.....	.....	82	908
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	196	8,939	.....	313	.....
Total other assets	.....	7,251	8,939	.....	395	908
Equity in Ontario Hydro Systems	50,241	135,899	4,411	39,757	106,531	84,086
Total	**131,806**	**365,044**	**122,171**	**74,144**	**245,088**	**205,535**
LIABILITIES						
Debentures outstanding	.....	1,451	82,000	.....	.....	4,281
Accounts payable	733	26	3,214	696	3,151	247
Other	343	1,537	5,725	385	1,123	1,593
Total liabilities	1,076	3,014	90,939	1,081	4,274	6,121
RESERVES						
Equity in Ontario Hydro Systems	50,241	135,899	4,411	39,757	106,531	84,086
Other	.....	.....	.....	.....	.....	.....
Total reserves	50,241	135,899	4,411	39,757	106,531	84,086
CAPITAL						
Debentures redeemed	15,000	41,072	8,000	9,500	9,557	18,719
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	64,465	185,059	18,821	23,806	124,726	96,609
Contributed capital	1,024	.....	.....	.....	.....	.....
Total capital	80,489	226,131	26,821	33,306	134,283	115,328
Total	**131,806**	**365,044**	**122,171**	**74,144**	**245,088**	**205,535**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	47,940	105,483	41,729	14,128	62,919	59,602
Other	1,282	3,461	22	103	1,090	860
Total revenue	**49,222**	**108,944**	**41,751**	**14,231**	**64,009**	**60,462**
EXPENSE						
Power purchased	29,746	67,858	17,658	9,425	46,247	42,690
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	6,582	18,063	2,555	586	3,981	6,493
Administration	7,754	8,744	5,482	1,038	5,432	5,696
Fixed charges—interest and principal	.....	1,516	7,980	.....	.....	692
—depreciation	2,325	5,718	3,748	1,530	4,237	4,093
—other	.....	.....	.....	.....	.....	.....
Total expense	**46,407**	**101,899**	**37,423**	**12,579**	**59,897**	**59,664**
Net income or *net expense*	**2,815**	**7,045**	**4,328**	**1,652**	**4,112**	**798**
Number of customers	384	1,271	328	181	704	561

Statements for the Year Ended December 31, 1964

Stoney Creek	Stouffville	Stratford	Strathroy	Streetsville	Sturgeon Falls	Sudbury	Sunderland	Sundridge
6,753	3,656	21,774	5,412	5,697	6,690	78,061	600	758
$	$	$	$	$	$	$	$	$
447,313	317,165	3,413,713	665,080	424,200	456,024	7,746,930	55,711	83,505
98,705	*63,953*	*585,045*	*213,503*	*87,652*	*98,962*	*1,935,448*	*14,664*	*15,402*
348,608	253,212	2,828,668	451,577	336,548	357,062	5,811,482	41,047	68,103
41,833	54,699	53,955	14,531	96,998	13,751	1,019,031	14,186	5,745
.....	.....	155,000	.....	.....	.....	50,000	2,000	19,000
1,376	4,503	54,418	9,318	3,169	8,659	185,692	221	716
43,209	59,202	263,373	23,849	100,167	22,410	1,254,723	16,407	25,461
84	209	116,095	2,074	427	.....	71,108	60	641
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1,975	42,414	1,529	821	9,746	42,181	50	2,047
84	2,184	158,509	3,603	1,248	9,746	113,289	110	2,688
173,044	169,488	2,545,431	458,322	161,869	42,739	541,809	47,456	19,214
564,945	**484,086**	**5,795,981**	**937,351**	**599,832**	**431,957**	**7,721,303**	**105,020**	**115,466**
27,837	54,892	820,500	73,400	87,772	132,400	1,610,500	.....	18,152
2,229	2,436	212,470	2,996	1,548	15,676	44,991	1,415	509
8,482	3,075	61,983	7,935	12,183	21,601	152,721	105	146
38,548	60,403	1,094,953	84,331	101,503	169,677	1,808,212	1,520	18,807
173,044	169,488	2,545,431	458,322	161,869	42,739	541,809	47,456	19,214
.....	.....	.....	.....	790	.....	2,410	.....	.....
173,044	169,488	2,545,431	458,322	162,659	42,739	544,219	47,456	19,214
50,623	29,029	505,300	70,041	65,563	42,600	1,124,417	4,628	16,848
.....	.....	.....	.....	.....	.....	.....	.....	.....
298,249	214,867	1,627,930	322,901	253,728	176,941	4,244,455	51,416	60,597
4,481	10,299	22,367	1,756	16,379	.....	.....	.....	.....
353,353	254,195	2,155,597	394,698	335,670	219,541	5,368,872	56,044	77,445
564,945	**484,086**	**5,795,981**	**937,351**	**599,832**	**431,957**	**7,721,303**	**105,020**	**115,466**
246,867	161,203	1,200,674	311,935	222,061	202,101	3,083,660	24,327	32,495
8,973	7,010	41,344	1,450	5,588	4,288	208,184	445	1,136
255,840	**168,213**	**1,242,018**	**313,435**	**227,649**	**206,389**	**3,291,844**	**24,772**	**33,631**
172,962	99,488	721,856	188,415	157,175	122,694	1,725,556	16,919	20,213
.....	.....	.....	.....	.....	.....	.....	.....	.....
13,601	9,959	154,689	35,106	12,703	21,140	467,463	1,415	3,392
32,255	14,992	107,144	33,603	17,033	26,677	376,201	1,934	3,127
5,796	5,837	66,102	8,333	10,155	14,217	143,147	.....	2,809
10,786	7,362	66,675	17,159	11,338	10,653	170,574	1,594	2,105
.....	.....	.....	.....	.....	.....	.....	.....	.....
235,400	**137,638**	**1,116,466**	**282,616**	**208,404**	**195,381**	**2,882,941**	**21,862**	**31,646**
20,440	**30,575**	**125,552**	**30,819**	**19,245**	**11,008**	**408,903**	**2,910**	**1,985**
2,145	1,291	7,514	1,936	1,555	1,713	25,075	269	316

Municipal Electrical Utilities Financial

Municipality	Sutton	Swansea	Tara	Tavistock	Tecumseh	Teeswater
Population	1,423	9,322	521	1,206	4,531	920
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	169,757	856,933	55,972	154,266	282,113	106,524
Accumulated depreciation	*18,537*	*285,170*	*14,550*	*67,520*	*106,279*	*20,231*
Net fixed assets	151,220	571,763	41,422	86,746	175,834	86,293
CURRENT ASSETS						
Cash on hand and in bank	8,223	183,226	3,733	37,657	27,582	740
Investment in government securities	2,000	.....	8,000	.....	.....	3,500
Accounts receivable (net)	4,405	3,179	183	900	8,151	138
Total current assets	14,628	186,405	11,916	38,557	35,733	4,378
OTHER ASSETS						
Inventory of stores	.....	14,963	269	324	19,213	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	2,472	254	.....	.....	.....
Total other assets	.....	17,435	523	324	19,213	.....
Equity in Ontario Hydro Systems	129,737	670,586	52,216	194,569	173,374	80,401
Total	**295,585**	**1,446,189**	**106,077**	**320,196**	**404,154**	**171,072**
LIABILITIES						
Debentures outstanding	.....	25,800	.....	15,288	.....	.....
Accounts payable	3,383	3,052	243	119	3,099	.....
Other	1,336	17,475	180	1,187	2,630	94
Total liabilities	4,719	46,327	423	16,594	5,729	94
RESERVES						
Equity in Ontario Hydro Systems	129,737	670,586	52,216	194,569	173,374	80,401
Other	.....	.....	.....	.....	.....	.....
Total reserves	129,737	670,586	52,216	194,569	173,374	80,401
CAPITAL						
Debentures redeemed	26,000	222,076	14,263	19,997	26,000	21,296
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	108,847	506,750	39,175	89,036	195,977	69,281
Contributed capital	26,282	450	.....	.....	3,074	.....
Total capital	161,129	729,276	53,438	109,033	225,051	90,577
Total	**295,585**	**1,446,189**	**106,077**	**320,196**	**404,154**	**171,072**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	92,325	411,241	29,040	57,195	121,740	46,419
Other	894	24,219	633	3,160	2,276	229
Total revenue	**93,219**	**435,460**	**29,673**	**60,355**	**124,016**	**46,648**
EXPENSE						
Power purchased	58,669	269,895	21,557	37,784	67,705	38,086
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	11,242	58,824	2,127	5,258	17,243	2,080
Administration	9,929	43,437	1,990	4,618	18,686	3,035
Fixed charges—interest and principal	.....	13,728	.....	2,260	.....	.....
—depreciation	5,332	21,079	1,591	3,959	8,478	2,891
—other	.....	.....	.....	.....	.....	.....
Total expense	**85,172**	**406,963**	**27,265**	**53,879**	**112,112**	**46,092**
Net income or *net expense*	**8,047**	**28,497**	**2,408**	**6,476**	**11,904**	**556**
Number of customers	930	3,599	249	516	1,338	378

Statements for the Year Ended December 31, 1964

Terrace Bay Twp. 1,949	Thamesford 1,287	Thamesville 970	Thedford 711	Thessalon 1,686	Thornbury 1,171	Thorndale 405	Thornton 458	Thorold 8,730
$	$	$	$	$	$	$	$	$
279,335	115,419	121,138	68,727	161,360	194,963	39,281	25,674	739,185
51,809	*28,536*	*42,602*	*17,024*	*35,726*	*26,536*	*15,790*	*9,302*	*181,966*
227,526	86,883	78,536	51,703	125,634	168,427	23,491	16,372	557,219
28,024	898	10,577	6,012	14,400	8,115	6,849	1,376	146,321
.....	5,000	11,851	3,000	.....	3,895	3,000	.....	.....
387	237	655	2,753	2,479	5,780	1,361	149	6,105
28,411	6,135	23,083	11,765	16,879	17,790	11,210	1,525	152,426
.....	.....	290	14	.....	4,146	.....	.....	19,143
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	4,646	.....	.....	3,693	454	416	17	4,720
.....	4,646	290	14	3,693	4,600	416	17	23,863
108,229	88,894	98,043	60,405	12,965	45,149	37,061	17,831	982,222
364,166	**186,558**	**199,952**	**123,887**	**159,171**	**235,966**	**72,178**	**35,745**	**1,715,730**
23,400	1,400	.....	.....	42,500	15,300	.....	.....	69,217
1,251	1,070	539	779	2,114	569	221	130	2,274
.....	825	1,485	349	3,213	235	178	83	10,320
24,651	3,295	2,024	1,128	47,827	16,104	399	213	81,811
108,229	88,894	98,043	60,405	12,965	45,149	37,061	17,831	982,222
.....	.....	.....	.....	.....	.....	.....	.....	.....
108,229	88,894	98,043	60,405	12,965	45,149	37,061	17,831	982,222
54,600	6,958	11,188	16,500	22,500	70,700	3,086	7,200	60,783
.....	.....	.....	.....	.....	.....	.....	.....	.....
176,686	87,191	88,697	45,298	75,879	101,781	31,632	10,501	589,774
.....	220	.....	556	.....	2,232	.....	.....	1,140
231,286	94,369	99,885	62,354	98,379	174,713	34,718	17,701	651,697
364,166	**186,558**	**199,952**	**123,887**	**159,171**	**235,966**	**72,178**	**35,745**	**1,715,730**
86,649	62,593	53,265	32,551	73,657	84,418	15,613	8,881	838,374
4,247	2,279	1,947	215	57	943	827	.....	2,932
90,896	**64,872**	**55,212**	**32,766**	**73,714**	**85,361**	**16,440**	**8,881**	**841,306**
55,175	44,354	37,527	23,444	34,820	50,148	10,331	5,620	606,943
.....	.....	.....	.....	.....	.....	.....	.....	.....
3,238	4,479	4,586	1,765	5,935	8,360	1,390	595	50,637
7,301	4,403	6,382	2,551	11,592	6,523	1,850	657	37,887
4,924	255	.....	.....	5,005	2,782	.....	.....	9,439
6,870	2,862	3,554	1,935	4,392	4,403	1,280	895	18,152
.....	.....	.....	.....	.....	.....	.....	.....	.....
77,508	**56,353**	**52,049**	**29,695**	**61,744**	**72,216**	**14,851**	**7,767**	**723,058**
13,388	**8,519**	**3,163**	**3,071**	**11,970**	**13,145**	**1,589**	**1,114**	**118,248**
457	434	443	304	534	567	138	104	2,613

Municipal Electrical Utilities Financial

Municipality	Tilbury	Tillsonburg	Toronto	Toronto Twp.	Tottenham	Trenton
Population	3,178	6,795	655,022	76,066	780	14,112
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	312,516	929,938	106,766,353	10,417,419	51,566	1,734,106
Accumulated depreciation	*108,469*	*184,112*	*30,398,213*	*1,774,208*	*18,106*	*481,005*
Net fixed assets	204,047	745,826	76,368,140	8,643,211	33,460	1,253,101
CURRENT ASSETS						
Cash on hand and in bank	1,188	68,385	1,817,153	772,920	2,434	67,096
Investment in government securities	10,000	.....	4,336,220	8,000	15,112	10,000
Accounts receivable (net)	4,985	9,728	4,575,972	233,613	2,619	41,571
Total current assets	16,173	78,113	10,729,345	1,014,533	20,165	118,667
OTHER ASSETS						
Inventory of stores	307	15,529	2,239,082	330,774	393	32,144
Sinking fund on local debentures	.....	.....	1,867,283	.....	.....	.....
Miscellaneous	475	4,003	4,097,191	102,710	59	300
Total other assets	782	19,532	8,203,556	433,484	452	32,444
Equity in Ontario Hydro Systems	273,516	507,433	95,610,336	2,796,161	59,209	1,148,170
Total	**494,518**	**1,350,904**	**190,911,377**	**12,887,389**	**113,286**	**2,552,382**
LIABILITIES						
Debentures outstanding	27,500	51,100	12,231,050	771,501	.....	.....
Accounts payable	8,883	14,238	2,186,333	634,947	2	188,059
Other	12,827	23,918	695,690	366,524	728	16,037
Total liabilities	49,210	89,256	15,113,073	1,772,972	730	204,096
RESERVES						
Equity in Ontario Hydro Systems	273,516	507,433	95,610,336	2,796,161	59,209	1,148,170
Other	.....	.....	470,788	.....	.....	.....
Total reserves	273,516	507,433	96,081,124	2,796,161	59,209	1,148,170
CAPITAL						
Debentures redeemed	36,500	157,056	32,696,935	815,699	21,435	164,587
Local sinking fund	.....	.....	1,867,283	.....	.....	.....
Accumulated net income invested in plant or held as working funds	135,292	597,159	43,240,502	5,760,131	31,912	1,031,744
Contributed capital	.....	.....	1,912,460	1,742,426	.....	3,785
Total capital	171,792	754,215	79,717,180	8,318,256	53,347	1,200,116
Total	**494,518**	**1,350,904**	**190,911,377**	**12,887,389**	**113,286**	**2,552,382**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	117,547	409,820	41,804,694	5,250,547	25,981	805,361
Other	1,996	7,170	907,864	112,221	483	24,032
Total revenue	**119,543**	**416,990**	**42,712,558**	**5,362,768**	**26,464**	**829,393**
EXPENSE						
Power purchased	73,509	261,540	24,686,383	3,504,152	17,937	617,343
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	9,775	50,224	5,914,397	320,058	2,915	51,335
Administration	17,916	31,052	4,632,285	349,007	2,748	65,316
Fixed charges—interest and principal	5,112	8,413	1,185,144	153,577	.....	2,362
—depreciation	8,532	20,729	2,668,220	233,845	1,439	42,908
—other	.....	.....	9,360	.....	.....	.....
Total expense	**114,844**	**371,958**	**39,095,789**	**4,560,639**	**25,039**	**779,264**
Net income or *net expense*	**4,699**	**45,032**	**3,616,769**	**802,129**	**1,425**	**50,129**
Number of customers	1,070	2,653	213,819	21,809	281	4,504

Statements for the Year Ended December 31, 1964

Tweed 1,708	Uxbridge 2,549	Vankleek Hill 1,727	Victoria Harbour 1,048	Walkerton 4,176	Wallaceburg 10,227	Wardsville 303	Warkworth 529	Wasaga Beach 462
$	$	$	$	$	$	$	$	$
181,841	264,546	156,005	85,493	405,805	997,693	35,330	54,466	188,424
42,096	*58,595*	*43,692*	*18,420*	*73,094*	*363,736*	*10,679*	*14,395*	*60,222*
139,745	205,951	112,313	67,073	332,711	633,957	24,651	40,071	128,202
.....	6,245	4,210	4,123	5,608	25,416	7,245	3,035	39,761
11,000	2,901	30,000	.....	6,000	.....	1,500	.....	.....
798	1,272	468	4,025	688	51,922	259	431	3,544
11,798	10,418	34,678	8,148	12,296	77,338	9,004	3,466	43,305
.....	3,761	.....	457	14,447	146,177	.....	.....	98
.....	.....	.....	.....	.....	.....	.....	.....	.....
160	729	1,846	98	243	115,015	.....	575	3,000
160	4,490	1,846	555	14,690	261,192	.....	575	3,098
105,633	160,032	25,607	38,176	250,654	1,203,956	24,149	30,118	33,364
257,336	**380,891**	**174,444**	**113,952**	**610,351**	**2,176,443**	**57,804**	**74,230**	**207,969**
.....	30,000	25,700	6,300	.....	.....	.....	6,354	41,500
7,287	5,055	6	1,286	11,348	936	110	814	539
704	3,010	2,025	280	3,440	9,194	160	234	3,956
7,991	38,065	27,731	7,866	14,788	10,130	270	7,402	45,995
105,633	160,032	25,607	38,176	250,654	1,203,956	24,149	30,118	33,364
.....	.....	.....	.....	.....	.....	.....	.....	.....
105,633	160,032	25,607	38,176	250,654	1,203,956	24,149	30,118	33,364
19,000	15,364	20,300	12,579	56,748	71,537	7,563	8,418	68,500
.....	.....	.....	.....	.....	.....	.....	.....	.....
124,712	167,430	100,806	55,331	288,161	890,820	22,832	28,292	59,439
.....	.....	.....	.....	.....	.....	2,990	.....	671
143,712	182,794	121,106	67,910	344,909	962,357	33,385	36,710	128,610
257,336	**380,891**	**174,444**	**113,952**	**610,351**	**2,176,443**	**57,804**	**74,230**	**207,969**
76,638	128,143	55,256	39,934	198,866	500,408	12,941	19,156	70,230
3,039	2,753	2,404	109	4,102	8,511	188	274	1,968
79,677	**130,896**	**57,660**	**40,043**	**202,968**	**508,919**	**13,129**	**19,430**	**72,198**
56,999	95,743	31,050	23,233	148,273	382,492	8,024	12,524	36,235
.....	.....	.....	.....	.....	.....	.....	.....	.....
4,959	13,480	4,497	4,066	15,235	32,626	805	1,665	5,887
6,214	9,956	5,133	3,636	19,369	47,379	835	1,567	11,308
.....	806	3,560	1,224	.....	.....	.....	642	7,684
5,020	5,718	4,638	2,426	8,931	28,597	1,093	1,622	5,616
.....	.....	.....	.....	.....	.....	.....	.....	.....
73,192	**125,703**	**48,878**	**34,585**	**191,808**	**491,094**	**10,757**	**18,020**	**66,730**
6,485	**5,193**	**8,782**	**5,458**	**11,160**	**17,825**	**2,372**	**1,410**	**5,468**
667	925	569	535	1,444	2,776	152	234	1,023

Municipal Electrical Utilities Financial

Municipality	Waterdown	Waterford	Waterloo	Watford	Waubaushene	Webbwood
Population	1,898	2,380	25,478	1,264	1,450	598
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	186,839	182,571	3,320,973	110,975	66,043	45,200
Accumulated depreciation	*45,051*	*50,241*	*658,317*	*40,580*	*12,701*	*7,770*
Net fixed assets	141,788	132,330	2,662,656	70,395	53,342	37,430
CURRENT ASSETS						
Cash on hand and in bank	11,477	12,289	19,915	10,107	3,492	8,309
Investment in government securities	.....	.....	.....	18,150	.....	.....
Accounts receivable (net)	1,632	1,437	20,963	2,536	1,035	455
Total current assets	13,109	13,726	40,878	30,793	4,527	8,764
OTHER ASSETS						
Inventory of stores	.....	412	104,880	354	442	176
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	642	5,029	1,691	134	.....	2,269
Total other assets	642	5,441	106,571	488	442	2,445
Equity in Ontario Hydro Systems	114,290	155,996	1,659,809	151,163	33,876	2,219
Total	**269,829**	**307,493**	**4,469,914**	**252,839**	**92,187**	**50,858**
LIABILITIES						
Debentures outstanding	20,000	27,500	804,000	.....	.....	19,251
Accounts payable	621	7	87,990	282	595	34
Other	1,392	3,443	91,130	816	20	610
Total liabilities	22,013	30,950	983,120	1,098	615	19,895
RESERVES						
Equity in Ontario Hydro Systems	114,290	155,996	1,659,809	151,163	33,876	2,219
Other	.....	.....	.....	.....	.....	.....
Total reserves	114,290	155,996	1,659,809	151,163	33,876	2,219
CAPITAL						
Debentures redeemed	17,632	14,623	570,627	9,056	3,242	10,750
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	112,784	101,493	1,154,178	91,522	54,454	17,994
Contributed capital	3,110	4,431	102,180	.....	.....	.....
Total capital	133,526	120,547	1,826,985	100,578	57,696	28,744
Total	**269,829**	**307,493**	**4,469,914**	**252,839**	**92,187**	**50,858**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	75,069	97,584	1,349,762	84,680	26,311	17,026
Other	1,605	575	13,672	1,641	256	190
Total revenue	**76,674**	**98,159**	**1,363,434**	**86,321**	**26,567**	**17,216**
EXPENSE						
Power purchased	44,699	59,760	831,709	63,405	16,521	7,661
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	10,224	13,692	125,218	4,723	2,972	1,860
Administration	7,466	6,907	90,821	11,740	2,270	2,970
Fixed charges—interest and principal	2,052	2,920	124,178	.....	.....	2,616
—depreciation	4,968	4,952	73,883	3,203	1,876	1,225
—other	.....	.....	.....	.....	.....	.....
Total expense	**69,409**	**88,231**	**1,245,809**	**83,071**	**23,639**	**16,332**
Net income or *net expense*	**7,265**	**9,928**	**117,625**	**3,250**	**2,928**	**884**
Number of customers	603	864	8,038	523	468	156

Statements for the Year Ended December 31, 1964

Welland	Wellesley	Wellington	West Ferris Twp.	West Lorne	Weston	Westport	Wheatley
36,926	675	1,004	6,215	1,115	10,214	677	1,403
$	$	$	$	$	$	$	$
3,681,984	69,227	90,600	784,408	136,323	1,577,650	50,408	182,505
1,050,985	*12,167*	*28,792*	*137,132*	*47,567*	*374,906*	*7,809*	*43,654*
2,630,999	57,060	61,808	647,276	88,756	1,202,744	42,599	138,851
360,940	10,377	3,856	31,517	15,302	81,113	2,888	18,728
21,000	1,000	7,000	.....	14,891	.....	3,500	.....
93,315	14	387	12,888	1,295	12,532	17	592
475,255	11,391	11,243	44,405	31,488	93,645	6,405	19,320
42,367	67	850	10,965	359	26,035	.....	904
.....	.....	.....	.....	.....	50,256	.....	.....
27,243	.....	.....	11,864	199	4,601	.....	100
69,610	67	850	22,829	558	80,892	.....	1,004
2,234,072	65,300	76,403	50,776	145,838	1,247,930	42,232	103,001
5,409,936	**133,818**	**150,304**	**765,286**	**266,640**	**2,625,211**	**91,236**	**262,176**
1,368,000	2,600	.....	330,500	.....	140,213	.....	10,778
57,619	2,593	3,122	12,373	14	18,330	1	15
63,415	441	920	57,448	170	31,878	294	2,181
1,489,034	5,634	4,042	400,321	184	190,421	295	12,974
2,234,072	65,300	76,403	50,776	145,838	1,247,930	42,232	103,001
.....	.....	.....	.....	.....	139	.....	.....
2,234,072	65,300	76,403	50,776	145,838	1,248,069	42,232	103,001
518,096	9,828	13,816	107,000	8,000	163,255	15,000	41,222
.....	.....	.....	.....	.....	50,256	.....	.....
1,166,368	53,056	46,551	183,623	112,618	965,734	33,709	104,979
2,366	.....	9,492	23,566	.....	7,476	.....	.....
1,686,830	62,884	69,859	314,189	120,618	1,186,721	48,709	146,201
5,409,936	**133,818**	**150,304**	**765,286**	**266,640**	**2,625,211**	**91,236**	**262,176**
1,829,938	27,618	42,563	305,540	70,536	630,410	26,175	69,032
22,870	179	1,080	10,836	5,314	28,013	446	601
1,852,808	**27,797**	**43,643**	**316,376**	**75,850**	**658,423**	**26,621**	**69,633**
1,194,412	18,183	27,548	175,566	50,926	409,092	19,375	41,961
.....	.....	.....	.....	.....	.....	.....	.....
122,615	1,261	3,798	24,327	6,509	56,075	1,642	6,877
156,898	2,230	3,404	36,642	9,524	78,303	3,345	6,341
129,817	466	235	38,765	.....	20,072	.....	3,595
98,061	1,834	2,586	16,764	3,737	33,973	1,212	4,958
.....	.....	.....	.....	.....	.....	.....	.....
1,701,803	**23,974**	**37,571**	**292,064**	**70,696**	**597,515**	**25,574**	**63,732**
151,005	**3,823**	**6,072**	**24,312**	**5,154**	**60,908**	**1,047**	**5,901**
11,258	304	493	2,208	453	4,014	301	531

Municipal Electrical Utilities Financial

Municipality	Whitby	Wiarton	Williams-burg	Winchester	Windermere	Windsor
Population	14,243	2,030	329	1,431	111	113,459
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	1,541,960	163,964	29,380	135,401	43,553	14,549,098
Accumulated depreciation	*268,719*	*44,988*	*10,487*	*38,497*	*8,482*	*4,609,211*
Net fixed assets	1,273,241	118,976	18,893	96,904	35,071	9,939,887
CURRENT ASSETS						
Cash on hand and in bank	12,377	9,975	4,406	23,512	647	3,975
Investment in government securities	10,000	20,000	5,000	.....	4,880	1,952,609
Accounts receivable (net)	17,246	1,945	87	3,567	51	529,897
Total current assets	39,623	31,920	9,493	27,079	5,578	2,486,481
OTHER ASSETS						
Inventory of stores	32,247	8,023	.....	.....	.....	273,884
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	342	.....	1,200	.....	16,552
Total other assets	32,247	8,365	.....	1,200	.....	290,436
Equity in Ontario Hydro Systems	668,661	137,763	33,532	130,690	18,146	14,384,650
Total	**2,013,772**	**297,024**	**61,918**	**255,873**	**58,795**	**27,101,454**
LIABILITIES						
Debentures outstanding	224,000	.....	.....	.....	.....	.....
Accounts payable	5,720	21	.....	1,983	1,573	409,988
Other	57,338	167	508	10	.....	191,519
Total liabilities	287,058	188	508	1,993	1,573	601,507
RESERVES						
Equity in Ontario Hydro Systems	668,661	137,763	33,532	130,690	18,146	14,384,650
Other	.....	.....	.....	.....	.....	273,225
Total reserves	668,661	137,763	33,532	130,690	18,146	14,657,875
CAPITAL						
Debentures redeemed	237,012	37,400	2,750	29,162	11,238	2,583,832
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	815,094	121,673	25,128	94,028	27,838	9,258,240
Contributed capital	5,947	.....	.....	.....	.....	.....
Total capital	1,058,053	159,073	27,878	123,190	39,076	11,842,072
Total	**2,013,772**	**297,024**	**61,918**	**255,873**	**58,795**	**27,101,454**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	745,362	91,958	15,083	75,284	10,594	5,187,112
Other	25,450	3,977	356	547	623	112,017
Total revenue	**770,812**	**95,935**	**15,439**	**75,831**	**11,217**	**5,299,129**
EXPENSE						
Power purchased	506,448	63,527	11,817	60,441	7,409	3,235,687
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	63,097	12,274	440	4,393	1,125	707,087
Administration	71,968	6,515	1,376	4,579	719	498,994
Fixed charges—interest and principal	51,712	.....	.....	.....	.....	12,848
—depreciation	31,339	4,017	939	4,043	1,226	373,372
—other	.....	.....	.....	.....	.....	.....
Total expense	**724,564**	**86,333**	**14,572**	**73,456**	**10,479**	**4,827,988**
Net income or *net expense*	**46,248**	**9,602**	**867**	**2,375**	**738**	**471,141**
Number of customers	4,177	837	142	618	133	37,956

Statements for the Year Ended December 31, 1964

Wingham 2,856	Woodbridge 2,481	Woodstock 22,214	Woodville 411	Wyoming 957	York Twp. 127,370	Zurich 721	TOTAL
$	$	$	$	$	$	$	$
386,652	219,528	2,874,682	47,973	84,437	9,673,024	65,138	564,408,772
152,976	*62,536*	*826,988*	*8,606*	*24,191*	*2,974,079*	*7,826*	*133,554,046*
233,676	156,992	2,047,694	39,367	60,246	6,698,945	57,312	430,854,726
22,367	50,281	9,533	5,783	2,580	582,425	7,881	22,394,390
60,000	24,675	.....	.....	9,225	554,000	.....	13,290,755
616	936	25,477	439	121	298,283	103	16,566,500
82,983	75,892	35,010	6,222	11,926	1,434,708	7,984	52,251,645
13,565	.....	1,204	.....	1,806	111,078	.....	10,878,773
.....	.....	.....	.....	.....	.....	.....	6,626,453
76	7,937	90	.....	.....	2,433	194	6,505,335
13,641	7,937	1,294	.....	1,806	113,511	194	24,010,561
272,094	235,631	2,250,903	33,805	49,190	5,874,780	64,956	354,153,351
602,394	**476,452**	**4,334,901**	**79,394**	**123,168**	**14,121,944**	**130,446**	**861,270,283**
.....	.....	.....	.....	.....	.....	.....	87,951,607
158	1,733	100,061	1,564	2,934	324,057	.....	14,627,872
3,385	2,527	22,136	30	383	512,742	320	9,799,228
3,543	4,260	122,197	1,594	3,317	836,799	320	112,378,707
272,094	235,631	2,250,903	33,805	49,190	5,874,780	64,956	354,153,351
.....	.....	.....	.....	.....	.....	.....	2,251,343
272,094	235,631	2,250,903	33,805	49,190	5,874,780	64,956	356,404,694
81,156	23,835	429,776	5,248	9,700	489,375	5,592	96,501,461
.....	.....	.....	.....	.....	.....	.....	6,626,453
245,601	209,868	1,532,025	38,747	60,961	6,862,578	59,578	278,077,894
.....	2,858	.....	.....	.....	58,412	.....	11,281,074
326,757	236,561	1,961,801	43,995	70,661	7,410,365	65,170	392,486,882
602,394	**476,452**	**4,334,901**	**79,394**	**123,168**	**14,121,944**	**130,446**	**861,270,283**
158,909	105,528	1,200,845	15,524	31,809	4,162,356	34,253	247,890,291
9,235	5,524	14,824	126	1,120	187,453	136	6,108,283
168,144	**111,052**	**1,215,669**	**15,650**	**32,929**	**4,349,809**	**34,389**	**253,998,574**
115,673	76,506	852,688	9,322	23,776	2,674,872	19,614	167,184,292
1,500	.....	.....	.....	.....	.....	.....	564,536
14,073	7,955	139,243	2,329	3,574	448,004	4,981	23,527,954
16,420	9,888	108,815	1,139	3,004	525,819	3,296	20,367,906
.....	.....	3,293	.....	.....	.....	.....	9,678,755
9,538	6,324	70,331	1,336	2,371	256,194	1,686	13,486,318
.....	.....	.....	.....	.....	.....	.....	26,460
157,204	**100,673**	**1,174,370**	**14,126**	**32,725**	**3,904,889**	**29,577**	**234,836,221**
10,940	**10,379**	**41,299**	**1,524**	**204**	**444,920**	**4,812**	**19,162,353**
1,128	793	7,703	199	372	41,656	314	1,552,238

STATEMENT "C"

Statement "C" is the schedule of retail rates for residential, commercial, and industrial power service in the municipal distribution systems receiving power from the Commission.

Rate Schedules in Effect

Under normal or standard residential service, charges are calculated on specified blocks of kilowatt-hours per month at designated rates for each block. The account rendered is subject to a minimum monthly charge, and while accounts in some municipalities are calculated at net rates, the majority are subject to a prompt payment discount of 10 per cent. For comparative purposes net monthly bills are shown for metered energy consumptions of 250, 500, and 750 kilowatt-hours, subject to the qualifications in the following paragraph.

Water Heating service may be provided either at a special flat-rate monthly charge, or through the regular metered service. The net monthly bills are calculated in Statement "C" at metered rates. A "w" opposite the rate for the third block of 500 kilowatt-hours for certain municipalities indicates that that block is available only to customers with an approved water heater supplied through the regular service meter. In these municipalities flat-rate service for water heating is not generally available to new applicants for residential service. House-heating energy may be segregated from the standard service and billed at a separate house-heating rate, or, as indicated in the table, it may be optionally included with the normal household service and billed at the regular residential rate. Where a low all-electric rate is in effect, house-heating energy would, of course, be included with the water-heating and basic household energy, the entire service being billed at this special rate.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, retaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In many municipalities, commercial-type customers having connected loads of under five kilowatts are billed at residential rates. Rates for industrial power service to customers of the municipal systems provide for 24-hour unrestricted delivery at secondary distribution voltage. These rates, however, are not applicable to the Commission's direct industrial customers.

Commercial and industrial power service bills are based on a monthly demand rate (with a minimum for commercial service) applied to the customer's billing demand, plus energy charges for specified blocks of kilowatt-hours used, the size of the blocks varying in accordance with the customer's billing demand. All additional energy is billed at the end rate per kilowatt-hour. The accounts for all municipalities, except those marked (N) as calculated at net rates, are subject

to a prompt payment discount of 10 per cent. The net monthly bills shown for commercial and industrial power service are calculated on the basis of a demand of one kilowatt for a use per month of 200 and 300 hours. The corresponding bill for a demand of 10 kilowatts would be ten times the amounts shown, for 20 kilowatts twenty times the amounts shown, and so on.

STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and consumption from house heating and the use of flat-rate water heaters are included in the totals shown, the flat-rate water-heater kilowatt-hours being estimated on the basis of 16.8 hours' use per day.

The average cost per kilowatt-hour is the average cost to the customer, that is the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 144 and the graphs on page 145. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. The normal trend, however, is for consumption per customer to increase, and residential customers in particular are using an ever-widening variety of electrical appliances, including fast-recovery water heaters. This increased use, since it is billed at the low rates usually applicable to higher-consumption blocks of kilowatt-hours, is frequently reflected in a lower average cost per kilowatt-hour.

For industrial power service customers, the relationship between demand (kilowatts required) and energy (kilowatt-hours of use) is an important factor in establishing the customer's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. In other words, the average cost per kilowatt-hour varies inversely with the customer's load factor.

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts	or Schedule Number	Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Acton	..	41	∅	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Ailsa Craig	..	45	∅	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	7.11
Ajax	..	37	1.2	1.1	50	3.4	1.7	...	1.0	1.70	4.59	6.84	9.09
Alexandria	..	45	∅	...	50	2.8	1.3	w0.7	1.1	1.67	3.60	5.17	6.75
Alfred	..	42	1.2	1.1	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	8.37
Alliston	..	40	1.1	1.1	60	3.1	...	...	1.0	1.11	3.38	5.63	7.88
Almonte	..	35	□	...	50	2.8	1.4	w0.8	1.1	1.40	3.78	5.58	7.38
Alvinston	..	45	□	...	50	3.5	1.6	w0.8	1.1	1.39	4.45	6.25	8.05
Amherstburg	..	38	□	1.1	50	3.0	1.4	0.8	1.1	1.67	3.87	5.67	7.47
Ancaster Twp.	43	..	∅	1.1	50	4.2	2.1	w0.7	1.1	2.22	5.67	7.24	8.82
Apple Hill	56	..	..	...	60	4.0	...	...	1.0	1.39	3.87	6.12	8.37
Arkona	..	45	∅	...	50	3.2	1.6	w0.8	1.1	1.11	4.32	6.12	7.92
Arnprior	..	37	1.2	1.1	50	2.6	1.3	...	0.8	1.39	3.51	5.31	7.11
Arthur	..	42	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Athens	..	41	□	...	50	2.4	1.2	w0.7	1.1	1.20	3.24	4.81	6.39
Atikokan Twp.	..	40	□	...	50	3.4	1.7	w0.9	1.1	1.70	4.59	6.61	8.64
Aurora	..	37	..	1.1	50	3.0	1.5	0.8	1.1	1.50	4.05	5.85	7.65
Avonmore	..	40	1.5	...	50	4.0	2.0	1.1	1.6	1.11	5.40	7.87	10.35
Aylmer	..	36	∅	...	50	2.6	1.2	0.8	1.1	1.67	3.33	5.13	6.93
Ayr	..	44	1.1	...	60	2.9	...	...	1.0	1.11	3.28	5.53	7.78
Baden	..	40	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
†Bala	..	41	1.22	...	50	4.4	2.2	w0.8	1.2	3.33	5.94	7.74	9.54
Bancroft	..	46	∅	1.1	50	3.5	1.4	w0.8	1.1	1.75	4.09	5.89	7.69
Barrie	..	39	1.1	1.1	60	2.4	...	...	1.0	0.83	3.01	5.26	7.51
Barry's Bay	..	42	1.1	...	50	2.6	1.3	0.7	1.0	1.67	3.51	5.08	6.66
Bath	..	39	□	...	60	3.5	...	...	1.2	1.67	3.94	6.64	9.34
Beachburg	..	39	∅	1.1	50	4.0	1.8	w0.7	1.1	2.22	5.04	6.61	8.19
Beachville	..	42	□	...	50	2.8	1.4	0.7	1.1	1.67	3.78	5.35	6.93
Beamsville	..	43	∅	1.1	50	3.4	1.7	w0.8	1.1	1.75	4.59	6.39	8.19
†Beardmore	..	45	1.22	...	50	4.0	2.0	w0.9	1.2	2.22	5.40	7.42	9.45
Beaverton	..	40	□	...	50	2.6	1.3	0.7	1.1	1.39	3.51	5.08	6.66
Beeton	..	40	∅	...	50	3.2	1.1	w0.7	1.1	1.67	3.42	4.99	6.57
Belle River	..	42	□	1.1	50	3.6	1.8	w0.8	1.1	2.22	4.86	6.66	8.46
Belleville	..	35	1.2	1.1	50	2.0	...	...	1.0	1.11	2.70	4.95	7.20
Belmont	..	44	∅	☆	50	4.2	2.1	w0.8	1.1	2.10	5.67	7.47	9.27
Blenheim	..	44	1.1	...	50	3.0	1.5	...	0.9	1.11	4.05	6.07	8.10
†Blind River	..	45	1.22	...	50	3.8	1.9	w0.8	1.1	1.39	5.13	6.93	8.73
Bloomfield	..	42	1.5	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Blyth	..	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Bobcaygeon	..	42	∅	1.2	50	4.0	1.7	w0.8	1.2	2.22	4.86	6.66	8.46

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

☆First 50 kwh at $1.39—balance at 1.1¢ per kwh.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	2.6	...	1.0	3.69	4.59	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.1	...	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	3.5	...	1.0	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.0	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.5	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	2.4	...	0.9	3.42	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.1	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.0	1.5	°2.0	...	0.8	2.97	3.69	1.00	1.4	..	0.9	..	0.25	2.16	2.38
...	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	3.0	...	1.2	4.23	5.31	1.35	3.5	..	2.3	..	0.33	4.12	4.42
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.5	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.0	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.9	..	0.5	0.33	3.96	4.26
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.5	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.6	..	0.5	0.33	3.69	3.99

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts — or Schedule Number		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Bolton	..	45	∅	1.1	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.00
Bothwell	..	45	□	...	50	2.6	1.3	w0.7	1.1	0.83	3.51	5.08	6.66
Bowmanville	..	35	..	1.1	50	3.0	1.2	w0.7	1.1	1.50	3.51	5.08	6.66
Bracebridge	..	39	□	...	60	3.0	...	...	1.2	0.83	3.67	6.37	9.07
Bradford	40	..	∅	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Braeside	..	36	∅	1.1	50	2.6	1.3	...	1.1	0.83	3.51	5.98	8.46
N Brampton	..	37	∅	1.0	50	5.0	1.3	w0.6	1.0	2.50	5.10	6.60	8.10
Brantford	..	41	□	...	60	2.2	1.2	w0.8	1.2	0.83	3.24	5.08	6.88
§§Brantford Twp.	..	42	∅	...	50	4.0	2.0	w0.8	1.2	1.67	5.40	7.20	9.00
Brechin	..	40	∅	...	50	2.2	1.1	0.7	1.1	1.11	2.97	4.54	6.12
Bridgeport	..	45	∅	1.1	50	4.0	1.6	w0.8	1.1	2.00	4.68	6.48	8.28
Brigden	..	45	□	...	50	2.6	1.1	w0.7	1.1	1.11	3.15	4.72	6.30
Brighton	..	42	1.1	...	50	3.0	1.4	w0.7	1.0	1.50	3.87	5.44	7.02
Brockville	38	..	1.1	1.1	50	2.9	1.4	w0.8	1.1	1.45	3.82	5.62	7.42
Brussels	..	45	□	1.2	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34	8.37
Burford	..	43	∅	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Burgessville	..	43	∅	1.1	50	4.0	1.1	w0.8	1.1	2.00	3.78	5.58	7.38
Burk's Falls	..	45	□	1.1	50	3.4	1.4	w0.9	1.1	1.67	4.05	6.07	8.10
§§Burlington	..	42	□	1.1	50	4.0	1.8	...	1.1	2.00	5.04	7.51	9.99
Cache Bay	..	43	□	...	50	3.0	1.3	w0.8	1.1	1.67	3.69	5.49	7.29
§Caledonia	..	45	∅	...	50	2.7	1.3	w0.8	1.1	2.00	3.55	5.35	7.15
Campbellford	..	38	1.1	...	50	2.6	1.3	0.7	1.0	1.67	3.51	5.08	6.66
N Campbellville	..	45	..	1.0	50	3.5	1.5	w0.7	1.0	1.75	4.75	6.50	8.25
Cannington	..	42	1.1	...	50	3.2	1.1	w0.7	1.0	1.67	3.42	4.99	6.57
§Capreol	..	43	∅	...	50	3.2	1.3	w0.8	1.1	2.25	3.78	5.58	7.38
Cardinal	..	40	□	...	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.31	7.11
Carleton Place	..	39	1.1	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	8.82
Casselman	..	41	1.2	...	50	3.4	1.7	...	1.0	1.11	4.59	6.84	9.09
Cayuga	..	45	□	1.1	50	3.4	1.7	0.8	1.1	2.00	4.59	6.39	8.19
Chalk River	..	40	∅	1.1	50	3.6	1.6	w0.7	1.1	1.80	4.50	6.07	7.65
Chapleau Twp.	..	..	..	...	60	9.0	...	...	4.0	2.78	11.70	20.70	29.70
Chatham	..	41	∅	...	60	3.8	...	...	1.4	1.11	4.45	7.60	10.75
Chatsworth	46	..	1.1	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Chesley	..	41	1.1	...	60	2.7	...	...	1.0	1.11	3.17	5.42	7.67
Chesterville	..	41	∅	...	50	2.8	1.3	w0.7	1.1	1.40	3.60	5.17	6.75
Chippawa	..	42	∅	1.1	50	3.2	1.6	w0.8	1.1	1.67	4.32	6.12	7.92
Clifford	..	45	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Clinton	..	41	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†Cobalt	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Cobden	..	36	1.1	...	50	2.0	1.0	0.7	1.0	1.67	2.70	4.27	5.85

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents; Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	First Block 100	Second Block Hours' Use 50	Second Block 100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73
1.2	1.5	2.0	...	1.0	3.15	4.05	1.20	1.4	..	0.9	..	0.30	2.38	2.65
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.35	°2.2	0.7	0.4	3.40	3.80	1.00	..	1.6	..	0.5	0.30	3.10	3.40
...	...	1.8	...	0.7	2.70	3.33	1.20	1.4	..	0.9	..	0.30	2.38	2.65
1.2	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.0	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.9	..	0.5	0.33	3.96	4.26
1.4	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.1	..	0.5	0.33	2.34	2.64
1.2	1.35	°2.5	0.7	0.45	3.70	4.15	1.00	..	2.0	..	0.5	0.30	3.50	3.80
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	8.5	...	4.0	11.70	15.30	1.35	5.7	..	3.8	..	2.00	7.29	9.09
1.4	1.5	3.3	...	1.2	4.50	5.58	1.35	2.0	..	1.3	..	0.40	3.06	3.42
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.3	...	1.0	3.42	4.32	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.4	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Cobourg	..	41	∅	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Cochrane	..	35	1.2	1.2	60	3.4	...	...	1.5	1.11	4.40	7.78	11.15
Colborne	..	43	1.1	...	60	3.8	...	...	1.0	0.83	3.76	6.01	8.26
Coldwater	..	40	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Collingwood	..	41	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	6.39
Comber	..	45	∅	1.1	50	3.0	1.5	0.9	1.1	1.11	4.05	6.07	8.10
Coniston	..	42	∅	1.1	50	3.2	1.3	w0.7	1.1	2.22	3.78	5.35	6.93
Cookstown	..	45	∅	...	50	2.6	1.1	w0.7	1.1	1.67	3.15	4.72	6.30
Cottam	41	..	∅	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Courtright	..	45	∅	1.1	50	4.0	2.0	w0.8	1.1	2.22	5.40	7.20	9.00
Creemore	..	44	1.1	...	50	3.1	...	...	1.0	1.39	3.19	5.44	7.69
Dashwood	45	..	1.2	1.2	50	3.6	1.8	1.1	1.5	1.11	4.86	7.33	9.81
Deep River	..	40	1.1	...	50	3.4	1.4	...	0.9	1.67	4.05	6.07	8.10
Delaware	..	44	∅	...	50	4.0	1.7	w0.8	1.1	2.00	4.86	6.66	8.46
Delhi	..	43	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Deseronto	..	40	1.1	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08	6.66
Dorchester	..	43	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Drayton	..	44	□	1.2	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84	9.09
Dresden	..	44	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Drumbo	..	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dryden	..	35	□	...	50	3.8	1.9	...	1.1	1.90	5.13	7.60	10.08
Dublin	..	43	∅	1.1	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dundalk	..	44	1.1	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Dundas	..	43	..	1.1	50	3.6	1.8	w0.8	1.1	1.80	4.86	6.66	8.46
Dunnville	..	45	1.1	1.1	50	2.8	1.4	...	0.9	0.83	3.78	5.80	7.83
Durham	..	41	1.1	...	60	2.7	...	...	1.1	1.11	3.34	5.81	8.29
Dutton	47	..	1.1	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
East York Twp.	..	35	1.2	1.1	50	3.34	1.3	...	0.9	1.67	3.84	5.87	7.89
Eganville	..	41	∅	...	50	3.0	1.5	...	1.1	1.50	4.05	6.52	9.00
†Elk Lake	..	42	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Elmira	..	45	□	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Elmvale	40	..	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Elmwood	39	..	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Elora	..	44	∅	1.1	50	5.0	1.8	w0.8	1.1	2.50	5.49	7.29	9.09
Embro	..	44	∅	...	60	3.3	...	...	1.1	0.83	3.66	6.14	8.61
†Englehart	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Erieau	..	45	1.2	...	50	2.8	1.4	...	0.8	1.11	3.78	5.58	7.38
Erie Beach	..	45	1.1	...	50	4.0	2.0	...	1.1	2.78	5.40	7.87	10.35
Erin	..	40	□	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Espanola	..	35	□	1.1	50	3.4	1.7	w0.7	1.1	2.22	4.59	6.16	7.74

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	2.9	...	1.4	4.32	5.58	1.35	2.3	..	1.5	..	0.33	3.22	3.52
...	...	3.0	...	1.0	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.5	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.30	2.52	2.79
...	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.6	..	0.5	0.33	3.69	3.99
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.6	..	0.5	0.33	3.69	3.99
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	2.4	...	1.0	3.51	4.41	1.35	2.2	..	1.4	..	0.33	3.13	3.43
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	2.7	...	0.7	3.51	4.14	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	...	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.6	..	0.5	0.33	3.69	3.99
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.6	..	0.5	0.33	2.79	3.09

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts	or Schedule Number	Residential Service											
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Essex	..	43	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
Etobicoke Twp.	..	40	1.2	1.1	60	4.0	...	...	1.0	1.25	3.87	6.12	8.37
Exeter	..	40	∅	...	50	3.6	1.8	w0.8	1.1	2.22	4.86	6.66	8.46
Fergus	..	41	∅	1.1	50	4.0	1.5	w0.7	1.1	2.00	4.50	6.07	7.65
Finch	..	42	1.5	...	50	3.0	1.5	0.8	1.2	1.95	4.05	5.85	7.65
Flesherton	37	..	1.1	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27	5.85
Fonthill	..	41	1.2	...	60	3.0	...	...	1.3	0.83	3.84	6.77	9.69
Forest	..	41	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Forest Hill	..	37	1.2	1.1	50	3.0	1.5	0.8	1.2	0.83	4.05	5.85	7.65
Fort William	..	31	..	1.11	60	2.0	...	...	0.8	0.83	2.45	4.25	6.05
Frankford	..	36	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Galt	..	36	□	1.1	60	3.0	...	...	1.1	2.00	3.50	5.98	8.45
Georgetown	..	39	□/1.2	...	50	3.2	1.5	w0.7	1.1	2.00	4.14	5.71	7.29
Glen Williams	..	39	□/1.2	...	50	3.2	1.6	w0.8	1.1	2.00	4.32	6.12	7.92
†Geraldton	..	45	1.22	...	50	4.0	2.0	w0.9	1.2	2.22	5.40	7.42	9.45
Glencoe	..	45	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Goderich	..	42	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
†Gogama	..	45	1.5	...	50	7.0	3.5	...	1.6	2.78	9.45	13.05	16.65
Grand Bend	..	42	1.35	...	50	4.0	2.0	...	1.4	2.50	5.40	8.55	11.70
Grand Valley	50	..	□	...	60	3.0	...	...	1.2	1.11	3.67	6.37	9.07
Granton	50	..	..	...	60	3.9	...	...	1.4	1.11	4.50	7.65	10.80
Gravenhurst	..	40	1.2	...	50	2.8	1.1	w0.7	1.0	1.67	3.24	4.81	6.39
Grimsby	..	43	1.1	1.1	50	3.2	1.6	w0.8	1.0	1.39	4.32	6.12	7.92
Guelph	..	34	□	1.1	50	3.6	1.8	1.0	1.1	1.67	4.86	7.11	9.36
Hagersville	..	41	□	...	60	2.8	...	...	1.1	0.83	3.39	5.87	8.34
†Haileybury	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Hamilton	..	40	□	...	60	2.6	...	...	1.0	0.83	3.11	5.36	7.61
Hanover	..	38	1.1	...	60	2.2	...	...	1.0	0.83	2.90	5.15	7.40
Harriston	..	39	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Harrow	..	38	□	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07	8.10
Hastings	..	41	∅	...	50	4.0	1.3	w0.7	1.1	2.22	4.14	5.71	7.29
Havelock	..	40	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Hawkesbury	..	36	□	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Hearst	..	45	∅	1.1	50	4.6	1.5	w0.7	1.1	2.78	4.77	6.34	7.92
Hensall	..	45	1.2	...	60	3.2	...	...	1.0	0.83	3.44	5.69	7.94
†Hepworth	..	45	1.22	...	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Hespeler	..	38	□	...	60	3.2	...	...	1.1	0.83	3.61	6.08	8.56
Highgate	..	45	1.2	...	60	3.2	...	...	0.9	0.83	3.27	5.29	7.32
Holstein	..	41	1.1	...	60	3.0	...	...	1.0	1.11	3.33	5.58	7.83
†Hornepayne	..	60	∅	...	50	8.0	2.0	...	1.5	2.78	7.20	10.57	13.95
†Hudson	..	45	1.22	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents; Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.3	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
1.3	1.5	2.5	...	1.2	3.78	4.86	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
0.8	...	1.9	...	0.4	2.52	2.88	1.00	1.4	..	0.9	..	0.33	2.23	2.53
1.1	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.1	..	0.5	0.33	2.34	2.64
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.20	1.6	..	1.0	..	0.30	2.52	2.79
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.6	1.5	5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24
1.4	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	2.5	...	1.2	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	3.4	...	1.3	4.68	5.85	1.35	2.6	..	1.7	..	0.33	3.45	3.74
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	2.3	...	0.9	3.33	4.14	1.20	1.7	..	1.2	..	0.30	2.65	2.92
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	1.8	0.7	0.6	2.70	3.24	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	1.5	1.7	...	1.0	2.88	3.78	1.00	1.5	..	0.9	..	0.30	2.25	2.52
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.7	...	0.9	3.69	4.50	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.5	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.33	2.55	2.84
...	...	2.8	...	0.7	3.60	4.23	1.35	2.6	..	1.7	..	0.33	3.45	3.74
...	...	2.5	...	0.8	3.42	4.14	1.35	3.5	..	2.3	..	0.33	4.12	4.42
1.5	1.5	°6.0	0.8	0.5	6.57	7.02	1.00	..	4.3	..	0.5	0.33	5.22	5.52
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or **Schedule Number**		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
N Huntsville	..	**40**	□	...	50	2.8	1.1	w0.7	1.0	1.40	3.60	5.35	7.10
Ingersoll	..	**43**	□	1.1	50	3.6	1.8	w0.8	1.1	1.80	4.86	6.66	8.46
Iroquois	..	**40**	□/1.2	...	50	2.8	1.4	w0.7	1.1	1.67	3.78	5.35	6.93
Jarvis	..	**45**	1.1	...	50	3.2	1.6	0.9	1.3	0.83	4.32	6.34	8.37
†Jellicoe	..	**45**	1.39	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Kapuskasing	..	**35**	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†Kearns	..	**45**	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kemptville	..	**43**	∅	1.1	50	4.0	1.5	w0.8	1.1	2.00	4.50	6.30	8.10
Killaloe Station	..	**42**	∅	...	50	4.2	2.1	w0.8	1.1	2.22	5.67	7.47	9.27
Kincardine	..	**43**	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	6.39
King City	..	**42**	∅	▲	50	4.8	2.1	w0.8	1.1	2.40	5.94	7.74	9.54
†King Kirkland	..	**42**	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kingston	..	**38**	X□	...	50	2.2	1.1	...	1.0	1.11	2.97	5.22	7.47
Kingsville	40	..	..	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	6.39
Kirkfield	..	**40**	∅	...	50	3.2	1.6	1.0	1.1	1.67	4.32	6.57	8.82
†Kirkland Lake	..	**42**	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46
Kitchener	..	**39**	∅	...	50	2.5	1.2	0.7	1.1	1.30	3.28	4.86	6.43
Lakefield	..	**34**	1.1	...	55	2.8	...	...	1.0	0.83	3.14	5.39	7.64
Lambeth	..	**43**	1.1	1.1	50	3.5	1.7	w0.8	1.3	1.75	4.63	6.43	8.23
Lanark	..	**39**	1.1	...	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54	6.12
Lancaster	..	**40**	..	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Larder Lake	..	**43**	1.2	...	60	3.5	...	...	1.1	1.11	3.77	6.25	8.72
Latchford	..	**43**	∅	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85	7.65
Leamington	..	**41**	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Lindsay	41	..	□	1.1	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Listowel	..	**41**	∅	1.1	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
§London	..	**38**	1.1	1.1	50	3.0	1.5	...	1.0	1.39	4.05	6.30	8.55
Long Branch	..	**37**	1.2	...	60	3.3	...	...	1.0	2.00	3.49	5.74	7.99
L'Orignal	..	**40**	□	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Lucan	..	**45**	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	8.82
Lucknow	..	**45**	1.1	...	55	2.7	...	...	1.0	1.39	3.10	5.35	7.60
Lynden	..	**43**	1.5	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
Madoc	..	**40**	1.2	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81	6.39
Magnetawan	..	**45**	∅	...	50	4.2	2.1	w0.9	1.2	2.22	5.67	7.69	9.72
Markdale	45	..	1.1	...	60	2.5	...	...	1.0	1.11	3.06	5.31	7.56
Markham	..	**44**	1.2	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Marmora	..	**43**	□	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Martintown	..	**38**	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Massey	..	**45**	∅	1.2	50	4.5	2.2	w0.8	1.2	1.67	5.98	7.78	9.58
†Matachewan	..	**45**	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	6.66	8.46

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

XHouse Heating through the regular residential meter but with all consumption over 1,250 kwh, billed at 1.2¢ gross per kwh.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.1	1.35	°1.9	0.7	0.4	3.10	3.50	1.00	..	1.0	..	0.5	0.30	2.50	2.80
1.1	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.3	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	2.4	...	0.8	3.33	4.05	1.20	1.7	..	1.2	..	0.30	2.65	2.92
...	...	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99
...	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.0	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.2	...	0.8	3.15	3.87	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	2.0	...	1.0	3.15	4.05	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°4.0	0.8	0.5	4.77	5.22	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
†Matheson	..	45	1.22	...	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
†Mattawa	..	45	1.22	...	50	5.2	2.6	w0.8	1.1	1.67	7.02	8.82	10.62
Maxville	..	46	□	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	5.85	7.65
McGarry Twp.	..	40	1.2	...	60	3.5	...	...	1.1	1.11	3.77	6.25	8.72
Meaford	..	42	1.1	...	60	2.6	...	...	1.0	0.83	3.11	5.36	7.61
Merlin	..	44	1.2	...	60	3.1	...	...	1.0	0.83	3.38	5.63	7.88
Merrickville	..	41	□	1.1	50	3.2	1.6	w0.8	1.1	1 60	4.32	6.12	7.92
Midland	..	39	∅	...	50	1.9	0.9	0.8	1.1	1.11	2.47	4.27	6.07
Mildmay	..	40	1.1	...	50	3.2	1.4	w0.8	1.1	1.67	3.96	5.76	7.56
Millbrook	..	43	□	...	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.20	9.00
N Milton	..	43	1.0	1.0	50	3.5	1.2	w0.7	1.0	1.75	4.15	5.90	7.65
Milverton	..	43	1.2	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Mimico	..	37	1.2	...	50	2.6	1.3	...	0.9	1.67	3.51	5.53	7.56
Mitchell	..	40	□	...	50	3.4	1.7	w0.8	1.1	1.67	4.59	6.39	8.19
Moorefield	..	43	1.2	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Morrisburg	..	40	∅	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Mount Brydges	..	41	∅	1.1	50	3.4	1.6	w0.8	1.1	2.00	4.41	6.21	8.01
Mount Forest	39	..	□	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	7.11
Napanee	..	38	□	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31	7.11
Nepean Twp.	..	38	∅	▲	50	4.6	2.3	w0.7	1.1	2.30	6.21	7.78	9.36
Neustadt	..	37	1.1	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27	5.85
Newboro	..	38	1.2	...	50	3.8	1.9	...	1.0	2.22	5.13	7.38	9.63
Newburgh	..	40	∅	1.2	60	4.3	...	...	1.2	1.39	4.37	7.07	9.77
Newbury	..	45	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Newcastle	..	42	1.2	1.1	50	2.8	1.4	...	1.0	1.67	3.78	6.03	8.28
New Hamburg	..	39	..	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
†New Liskeard	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Newmarket	..	38	1.2	1.1	50	2.8	1.4	w0.8	1.1	1.40	3.78	5.58	7.38
New Toronto	..	37	∅	1.1	60	2.6	...	...	1.2	0.83	3.46	6.16	8.86
Niagara	..	42	1.1	1.1	50	3.2	1.5	...	1.1	1.75	4.14	6.61	9.09
Niagara Falls	..	40	*1.1	...	50	3.5	1.4	...	0.7	1.75	4.09	5.67	7.24
Nipigon Twp.	..	37	1.2	1.11	50	3.0	1.2	w0.7	1.0	2.00	3.51	5.08	6.66
North Bay	42	..	□	...	60	2.5	...	...	1.2	1.11	3.40	6.10	8.80
NorthYork Twp.	..	37	∅	1.1	50	3.4	1.6	...	1.1	1.67	4.41	6.88	9.36
Norwich	46	..	□	...	60	3.4	...	...	1.2	1.11	3.89	6.59	9.29
Norwood	..	42	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
§§Oakville	..	40	∅	...	50	4.0	1.8	w0.7	1.1	2.00	5.04	6.61	8.19
Oil Springs	..	45	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Omemee	..	45	□	...	50	3.4	1.7	w0.9	1.1	2.22	4.59	6.61	8.64
Orangeville	..	43	1.1	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Residential Electric Heating 1.1¢ gross per kwh for all monthly consumption over 1,250 kwh per month where total load is on one meter.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
		Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents			Net Monthly Bill for Use of 1 Kw of Demand			Energy Rate per Kwh for Use of Each Kw of Demand					Net Monthly Bill for Use of 1 Kw of Demand	
		Energy Rate per Kwh for Use of Each Kw of Demand						First Block		Second Block				
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	First 100 Hours	Next 100 Hours	All Additional Hours	200 Hours	300 Hours	Demand Rate per Kw	Hours' Use 50	100	Hours' Use 50	100	All Additional Hours	200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°5.2	0.8	0.5	5.85	6.30	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.0	1.5	2.2	...	0.8	3.15	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	2.6	...	0.7	3.42	4.05	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	°1.6	0.8	0.5	2.61	3.06	1.00	..	0.9	..	0.5	0.33	2.16	2.46
1.3	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.35	°2.1	0.7	0.4	3.30	3.70	1.00	..	1.6	..	0.5	0.30	3.10	3.40
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.3	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.4	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.1	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.3	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	3.8	...	1.2	4.95	6.03	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.4	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.1	s	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	2.0	...	0.9	3.06	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.2	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	3.0	...	1.0	4.05	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.3	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Orillia	..	36	1.33	...	60	2.3	...	...	0.9	0.83	2.78	4.81	6.83
Orono	..	40	..	1.1	50	3.0	1.5	...	1.1	1.50	4.05	6.52	9.00
Oshawa	..	34	1.1	1.1	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54	6.12
Ottawa	32	..	*	...	a 60	◈ 2.0	...	...	◈0.5	0.83	2.80	3.92	5.05
					a 60	1.0							
Otterville	..	44	□	...	50	3.4	1.4	w0.8	1.1	1.50	4.05	5.85	7.65
Owen Sound	..	37	1.1	1.1	60	2.4	...	...	1.1	1.11	3.18	5.65	8.13
Paisley	..	43	1.1	...	60	3.5	...	...	1.0	1.39	3.60	5.85	8.10
Palmerston	..	43	∅	1.1	50	3.0	1.5	w0.8	1.1	2.22	4.05	5.85	7.65
Paris	..	42	1.2	...	60	2.8	...	...	1.3	0.83	3.73	6.66	9.58
Parkhill	..	44	1.2	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34	8.37
Parry Sound	..	42	∅	1.1	50	3.4	1.7	...	1.1	1.67	4.59	7.06	9.54
Penetanguishene	..	37	1.1	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54	6.12
Perth	..	37	1.1	...	50	2.8	1.4	...	1.0	1.67	3.78	6.03	8.28
Peterborough	..	36	□	1.1	50	4.7	...	...	1.1	2.35	4.09	6.57	9.04
Petrolia	..	45	□	...	50	3.2	1.6	1.0	1.1	0.83	4.32	6.57	8.82
Pickering	..	37	□	...	50	3.8	1.9	w0.8	1.1	1.90	5.13	6.93	8.73
†Pickle Lake Landing	..	45	1.22	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Picton	41	..	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Plantagenet	..	43	□	...	50	4.8	2.4	w0.8	1.1	2.40	6.48	8.28	10.08
Plattsville	..	42	∅	...	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Point Edward	..	38	∅	...	50	3.0	1.5	0.9	1.1	1.11	4.05	6.07	8.10
Port Arthur	..	38	1.2	1.1	50	4.0	1.2	w0.6	0.9	2.00	3.96	5.31	6.66
Port Burwell	..	45	∅	1.2	50	4.4	2.2	w0.8	1.2	2.78	5.94	7.74	9.54
†Port Carling	..	41	1.22	...	50	4.4	2.2	w0.8	1.2	3.33	5.94	7.74	9.54
Port Colborne	..	41	□	...	60	2.8	1.2	w0.8	1.2	0.83	3.56	5.40	7.20
Port Credit	..	38	1.2	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Port Dover	..	49	∅	...	50	2.8	1.4	w0.8	1.1	2.22	3.78	5.58	7.38
Port Elgin	..	44	□	1.2	50	3.2	1.6	0.9	1.3	2.00	4.32	6.34	8.37
Port Hope	..	40	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Port McNicoll	..	39	∅	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Port Perry	..	45	∅	...	50	3.4	1.4	w0.7	1.1	1.70	4.05	5.62	7.20
Port Rowan	..	50	1.2	...	50	3.0	1.4	w0.8	1.1	2.22	3.87	5.67	7.47
Port Stanley	..	45	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	8.82
†Powassan	..	42	1.22	...	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Prescott	..	37	1.1	1.1	50	2.4	1.2	w0.6	1.0	1.67	3.24	4.59	5.94
Preston	..	36	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
Priceville	..	47	□	...	50	4.0	2.0	...	1.2	2.00	5.40	8.10	10.80
Princeton	..	45	1.1	...	60	3.0	...	...	1.0	1.39	3.33	5.58	7.83
Queenston	..	40	1.1	...	50	2.6	1.3	...	0.8	0.83	3.51	5.31	7.11
Rainy River	..	48	∅	▲	50	5.0	2.1	w0.7	1.1	2.50	6.03	7.60	9.18

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Residential Electric Heating 2.0¢ gross per kwh for all monthly consumption over 1,500 kwh, where total load is on one meter, applicable to customers so designated by utility.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	1.8	...	0.8	2.79	3.51	1.00	1.4	..	0.9	..	0.30	2.20	2.47
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	1.5	..	1.1	..	0.30	2.34	2.61
...	1.5	3.0	...	1.0	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.45	3.74
1.2	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	2.3	...	0.8	3.24	3.96	1.00	1.5	..	1.1	..	0.30	2.34	2.61
1.3	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.5	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	3.0	..	0.5	0.33	4.05	4.35
1.1	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	1.5	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.2	1.5	2.5	...	1.1	3.69	4.68	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.4	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.1	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	3.8	0.8	0.5	4.59	5.04	1.00	..	2.9	..	0.5	0.33	3.96	4.26
...	...	2.7	...	0.8	3.60	4.32	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.3	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number	Residential Service										
		House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
†Red Lake Twp.	.. 45	1.22	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	7.96	9.99
Red Rock	.. 32	1.3	1.11	50	2.4	1.2	0.7	1.0	1.67	3.24	4.81	6.39
Renfrew	.. 36	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Richmond	.. 35	1.2	1.1	50	3.0	1.3	w0.7	1.1	1.50	3.69	5.26	6.84
Richmond Hill	.. 40	1.2	1.1	50	3.4	1.7	...	1.0	1.70	4.59	6.84	9.09
Ridgetown	.. 45	□	...	60	2.9	...	...	1.1	0.83	3.45	5.92	8.40
Ripley	.. 43	□	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58	7.38
Riverside	.. 36	□	1.1	50	3.2	1.5	w0.8	1.1	1.67	4.14	5.94	7.74
Rockland	.. 40	∅	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Rockwood	.. 45	..	1.2	50	3.4	1.7	1.0	1.4	1.39	4.59	6.84	9.09
Rodney	.. 45	..	1.1	50	3.2	1.6	w0.8	1.2	1.60	4.32	6.12	7.92
Rosseau	.. 43	□	...	50	3.4	1.7	1.0	1.4	1.67	4.59	6.84	9.09
Russell	.. 38	□	...	50	2.6	1.3	w0.8	1.1	1.33	3.51	5.31	7.11
St. Catharines	.. 42	∅	...	50	3.5	1.3	w0.7	1.1	1.75	3.91	5.49	7.06
St. Clair Beach	.. 42	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
St. George	.. 44	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
St. Jacobs	.. 42	∅	1.1	60	3.0	...	...	1.1	0.83	3.50	5.98	8.45
St. Mary's	43 *39	1.1	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07	8.10
St. Thomas	.. 40	□	...	50	3.2	1.6	...	1.1	1.11	4.32	6.79	9.27
Sandwich East Twp.	.. 41	□	1.2	50	4.0	1.9	...	1.1	1.67	5.22	7.69	10.17
Sandwich West Twp.	.. 41	1.1	1.2	50	4.0	1.9	...	1.0	1.67	5.22	7.47	9.72
Sarnia	.. 40	∅	1.1	50	4.0	1.6	w0.7	1.1	1.67	4.68	6.25	7.83
Scarborough Twp.	.. 37	1.2	1.1	50	3.0	1.5	...	1.0	2.22	4.05	6.30	8.55
Schreiber Twp.	.. 37	1.2	1.11	50	3.0	1.1	w0.7	1.0	2.00	3.33	4.90	6.48
Seaforth	.. 36	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
Shelburne	.. 43	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Simcoe	.. 41	1.1	1.1	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54	6.12
Sioux Lookout	.. 49	□	...	50	4.0	1.5	w0.9	1.2	2.00	4.50	6.52	8.55
Smith's Falls	.. 40	..	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	5.85	7.65
Smithville	.. 44	□	...	60	3.2	...	...	1.2	0.83	3.78	6.48	9.18
Southampton	.. 45	□	...	50	3.2	...	...	1.1	1.11	3.42	5.89	8.37
†South Porcupine	.. 42	1.22	...	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
South River	.. 45	∅	...	50	5.0	2.5	w0.8	1.1	2.22	6.75	8.55	10.35
Springfield	.. 41	∅	...	50	3.0	1.3	w0.7	1.1	2.22	3.69	5.26	6.84
Stayner	.. 41	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Stirling	.. 38	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Stoney Creek	.. 45	∅	1.1	50	3.6	1.6	w0.8	1.1	2.00	4.50	6.30	8.10
Stouffville	.. 39	1.1	1.1	50	3.4	1.6	w0.7	1.1	1.70	4.41	5.98	7.56
Stratford	.. 40	□	1.1	60	2.9	...	...	1.2	0.83	3.62	6.32	9.02
Strathroy	.. 37	□	...	50	3.8	1.4	0.8	1.1	2.00	4.23	6.03	7.83

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Applicable to flat-rate water heaters of 700 watts and above.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents; Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
...	...	°1.7	0.8	0.5	2.70	3.15	1.00	..	0.9	..	0.5	0.33	2.16	2.46
...	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.4	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	2.4	...	0.9	3.42	4.23	1.35	2.2	..	1.4	..	0.33	3.13	3.43
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	2.3	0.8	0.5	3.24	3.69	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	2.5	...	1.0	3.60	4.50	1.20	1.7	..	1.2	..	0.30	2.65	2.92
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99
1.0	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.5	1.5	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.2	1.5	3.5	0.8	0.5	4.32	4.77	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	2.8	...	1.1	3.96	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	1.5	2.9	...	1.1	4.05	5.04	1.35	2.2	..	1.4	..	0.33	3.13	3.43
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.5	1.5	°4.5	0.8	0.5	5.22	5.67	1.00	..	3.5	..	0.5	0.33	4.50	4.80
1.5	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.3	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	2.4	...	0.7	3.24	3.87	1.20	1.7	..	1.2	..	0.30	2.65	2.92
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Streetsville	..	43	1.2	1.1	50	4.0	1.3	w0.7	1.1	2.00	4.14	5.71	7.29
Sturgeon Falls	..	40	□	...	50	3.2	1.6	...	1.2	2.22	4.32	7.02	9.72
N Sudbury	..	32	1.1	1.0	50	3.0	1.2	w0.7	1.0	1.50	3.90	5.65	7.40
Sunderland	..	40	□	...	50	2.6	1.3	0.7	1.1	1.11	3.51	5.08	6.66
Sundridge	..	43	∅	...	50	2.8	1.4	w0.8	1.1	2.22	3.78	5.58	7.38
Sutton	..	45	∅	...	50	4.0	1.7	w0.7	1.1	2.00	4.86	6.43	8.01
Swansea	..	37	1.2	1.1	50	2.8	1.4	...	1.0	1.67	3.78	6.03	8.28
Tara	..	41	∅	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Tavistock	..	*33	1.1	...	50	3.2	1.4	w0.6	1.2	1.67	3.96	5.31	6.66
Tecumseh	..	41	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	6.66	8.46
Teeswater	..	42	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Terrace Bay Twp.	..	36	1.3	1.11	50	2.6	1.3	...	0.9	1.67	3.51	5.53	7.56
Thamesford	..	45	∅	1.1	50	3.7	1.5	w0.8	1.1	2.00	4.36	6.16	7.96
Thamesville	..	45	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Thedford	..	45	□	...	50	3.0	1.5	w0.8	1.1	1.67	4.05	5.85	7.65
Thessalon	..	48	□	1.2	50	4.0	2.0	...	1.2	2.22	5.40	8.10	10.80
Thornbury	..	42	□	...	60	3.5	...	...	1.3	1.11	4.11	7.04	9.96
Thorndale	..	42	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57	8.82
†Thornloe	..	42	1.39	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.20	9.00
Thornton	..	39	1.1	...	60	3.8	...	...	1.0	1.39	3.76	6.01	8.26
Thorold	..	40	∅	...	50	4.0	2.1	w0.8	1.2	2.22	5.58	7.38	9.18
Tilbury	..	45	1.2	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07	8.10
Tillsonburg	..	40	□	1.1	50	3.0	1.5	0.8	1.1	1.67	4.05	5.85	7.65
†Timmins	..	42	1.22	...	50	3.4	1.7	w0.8	1.1	1.39	4.59	6.39	8.19
Toronto	◎	..	□	1.1	60	2.0	...	...	1.4	0.83	3.47	6.62	9.77
nToronto Twp.	..	37	∅	...	50	4.0	1.4	w0.7	1.0	2.00	4.80	6.55	8.30
Tottenham	..	43	∅	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31	7.11
Trenton	..	34	1.1	1.1	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Tweed	..	37	1.1	...	50	2.4	1.2	w0.7	1.0	1.50	3.24	4.81	6.39
Uxbridge	..	39	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08	6.66
Vankleek Hill	..	39	□	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.12	7.92
Victoria Harbour	..	43	1.1	...	60	3.2	...	...	1.3	1.39	3.95	6.88	9.80
Walkerton	38	..	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31	7.11
Wallaceburg	..	41	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81	6.39
Wardsville	..	45	1.1	...	60	3.6	...	...	0.9	1.11	3.48	5.51	7.53
Warkworth	..	41	..	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	6.39	8.19
Wasaga Beach	..	42	□	...	50	3.6	1.8	...	1.1	1.67	4.86	7.33	9.81
Waterdown	..	40	□	1.1	50	4.0	1.3	w0.8	1.1	2.00	4.14	5.94	7.74
Waterford	..	45	∅	...	50	3.4	1.6	w0.8	1.1	2.22	4.41	6.21	8.01
Waterloo	..	35	□	1.1	60	2.6	...	...	1.1	0.83	3.28	5.76	8.23

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Applicable to flat-rate water heaters of 750 watts and above; for flat-rate water heaters of 700 watts or below, apply Schedule 39.

For explanatory notes and water-heating schedules see pages 218 to 221.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.2	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.35	2.2	0.7	0.45	3.40	3.85	1.00	..	1.5	..	0.5	0.30	3.00	3.30
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.4	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.5	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.4	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.5	3.1	...	1.3	4.41	5.58	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	3.3	...	1.0	4.32	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.3	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	s	b2.1	...	0.7	3.28	3.91	1.10	2.1	..	1.4	..	0.38	2.91	3.25
1.4	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.0	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.7	...	1.3	4.05	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.1	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	3.2	...	0.8	4.05	4.77	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.1	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	2.2	...	1.0	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts — or Schedule Number	Residential Service										
		House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Monthly Charge Gross	Net Monthly Bill for		
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh	750 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	$	$	$	$
Watford	.. 45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58	7.38
Waubaushene	.. 42	1.1	...	60	3.2	...	...	1.2	1.39	3.78	6.48	9.18
Webbwood	.. 43	..	1.2	50	5.2	2.6	w0.8	1.2	2.50	7.02	8.82	10.62
Welland	.. 41	1.1	...	50	3.2	1.6	...	0.9	1.67	4.32	6.34	8.37
Wellesley	.. 42	□	1.1	50	4.0	1.4	w0.8	1.1	2.00	4.32	6.12	7.92
Wellington	.. 46	..	1.1	50	3.0	1.5	w0.9	1.1	1.50	4.05	6.07	8.10
West Ferris Twp.	.. 37	□	1.1	50	3.6	1.8	...	1.2	2.22	4.86	7.56	10.26
West Lorne	.. 43	..	1.1	50	3.0	1.5	w0.8	1.1	1.11	4.05	5.85	7.65
Weston	.. 37	∅	1.1	50	3.0	1.5	0.8	1.2	1.67	4.05	5.85	7.65
Westport	.. 38	1.2	1.1	50	2.7	1.3	w0.7	1.0	1.50	3.55	5.13	6.70
Wheatley	.. 45	..	1.2	60	3.3	...	...	1.2	1.11	3.83	6.53	9.23
Whitby	.. 36	1.2	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85	7.65
†White River	.. 60	1.39	...	50	7.5	3.6	w1.0	1.4	3.75	9.85	12.10	14.35
Wiarton	.. 43	1.1	...	50	2.8	1.4	...	1.0	1.11	3.78	6.03	8.28
Williamsburg	.. 45	□	...	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.31	7.11
Winchester	.. 41	∅	...	50	2.6	1.3	w0.8	1.1	1.39	3.51	5.31	7.11
Windermere	45 ..	□	...	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57	8.82
Windsor	.. 36	∅	...	50	2.4	1.2	*0.7	1.1	0.83	3.24	4.81	6.39
Wingham	.. 43	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81	6.39
Woodbridge	.. 42	1.2	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58	7.38
Woodstock	.. 36	1.2	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07	8.10
Woodville	.. 42	∅	...	50	3.6	1.2	w0.7	1.1	1.67	3.78	5.35	6.93
Wyoming	.. 45	∅	...	50	2.6	1.3	0.7	1.1	0.83	3.51	5.08	6.66
York Twp.	.. 37	1.2	1.1	50	2.6	1.3	0.8	1.1	1.67	3.51	5.31	7.11
Zurich	.. 45	□	1.2	60	3.7	...	...	1.2	0.83	4.05	6.75	9.45

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Next 1,000 kwh.

NOTES

Service Charges

a 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2000 watts or more.
b Demand rate 8.5¢ per 100 watts, minimum 50¢.

House Heating

Applicable where electric energy is used to heat an entire dwelling or a portion of a dwelling in excess of 25% of the floor area.
□ Energy supplied through residential service meter at standard rates.
∅ Energy metered separately at end residential rate or energy supplied through residential service meter at standard rates.

All-Electric Service

Applicable to all energy sold to residential customers using all-electric house heating and electric water heating supplied through the residential service meter.
▲ First 50 kwh at minimum monthly charge—balance at 1.1¢ per kwh.
§ Farm customers billed at standard rural rates.
§§ Farm customers billed at special rates.

Net Monthly Bill

Calculations include special provision for metered water-heating where applicable.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1964

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand — First Block Hours' Use: 50	100	Second Block Hours' Use: 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.1	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	2.6	...	1.2	3.87	4.95	1.35	3.2	..	2.1	..	0.33	3.90	4.19
...	1.5	°4.5	0.8	0.5	5.22	5.67	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.2	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.2	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	2.9	...	1.2	4.14	5.22	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.2	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.6	1.5	°5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.0	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.2	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	3.4	...	0.9	4.32	5.13	1.35	3.1	..	2.0	..	0.33	3.81	4.10

Special Rates or Discounts

◈ First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢.
◎ Flat-rate water-heater service—Toronto:
System-owned—First 400 watts $2.90 per month.
Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:
30¢ for 1,000-watt and 1,200-watt heaters.
40¢ for 1,500-watt heaters.
50¢ for 2,000-watt and 2,500-watt heaters.
55¢ for heaters 3,000-watts and over.
1000/3000-watt Cascade 40—$5.82 gross per month.
Customer-owned—First 400 watts $1.98 per month.
Each 100 watts additional 40¢ per month.

w Special rate for metered water-heating customers only.
When loads are subject to central control, these rates may be somewhat lower.
s Special rate available for selected categories.
N Rates are Net.
n Residential rates are net.
° Commercial customers with a connected load of under 5 Kilowatts billed at residential rates.

Municipal Electrical

NET MONTHLY BILLS FOR FLAT RATE WATER

Also applicable to utilities using gross rate schedules providing

Element rating	SCHEDULE																
	25	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**	**37**	**38**	**39**	**40**	**41**
watts	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
400	.90	.94	.97	1.01	1.04	1.08	1.12	1.15	1.19	1.22	1.26	1.30	1.33	1.37	1.40	1.44	1.48
450	1.01	1.05	1.09	1.13	1.17	1.22	1.26	1.30	1.34	1.38	1.42	1.46	1.50	1.54	1.58	1.62	1.66
500	1.13	1.17	1.22	1.26	1.31	1.35	1.40	1.44	1.49	1.53	1.58	1.62	1.67	1.71	1.76	1.80	1.85
550	1.24	1.29	1.34	1.39	1.44	1.49	1.53	1.58	1.63	1.68	1.73	1.78	1.83	1.88	1.93	1.98	2.03
600	1.35	1.40	1.46	1.51	1.57	1.62	1.67	1.73	1.78	1.84	1.89	1.94	2.00	2.05	2.11	2.16	2.21
650	1.43	1.49	1.54	1.60	1.66	1.72	1.77	1.83	1.89	1.94	2.00	2.06	2.12	2.17	2.23	2.29	2.35
700	1.51	1.57	1.63	1.69	1.75	1.81	1.87	1.93	1.99	2.05	2.11	2.17	2.23	2.29	2.35	2.41	2.47
750	1.60	1.66	1.72	1.79	1.85	1.91	1.98	2.04	2.11	2.17	2.23	2.30	2.36	2.42	2.49	2.55	2.62
800	1.67	1.74	1.80	1.87	1.94	2.00	2.07	2.14	2.20	2.27	2.34	2.40	2.47	2.54	2.61	2.67	2.74
850	1.75	1.82	1.89	1.96	2.03	2.10	2.17	2.24	2.31	2.38	2.45	2.52	2.59	2.66	2.73	2.80	2.87
900	1.84	1.91	1.98	2.06	2.13	2.20	2.28	2.35	2.42	2.50	2.57	2.64	2.72	2.79	2.86	2.94	3.01
950	1.92	2.00	2.07	2.15	2.23	2.30	2.38	2.46	2.53	2.61	2.69	2.76	2.84	2.92	3.00	3.07	3.15
1,000	2.00	2.08	2.16	2.24	2.32	2.40	2.48	2.56	2.64	2.72	2.80	2.88	2.96	3.04	3.12	3.20	3.28
1,000/3,000	2.12	2.21	2.30	2.38	2.47	2.55	2.64	2.72	2.81	2.89	2.98	3.06	3.14	3.23	3.31	3.40	3.48
1,500/4,500	3.19	3.31	3.44	3.57	3.70	3.83	3.95	4.08	4.20	4.34	4.46	4.59	4.72	4.84	4.97	5.10	5.23

NOTE: Net monthly rates for all balanced element sizes over 1,000 watts are calculated as follows:

$$\text{Rate for 1,000-watt element} \times \frac{\text{Element Rating}}{1{,}000}$$

Service

HEATING AT SCHEDULE NUMBER INDICATED

payment is made on or before last date for net payment

NUMBER

42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
1.51	1.55	1.58	1.62	1.66	1.69	1.73	1.76	1.80	1.84	1.87	1.91	1.94	1.98	2.02	2.05	2.09	2.12	2.16
1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.98	2.03	2.06	2.11	2.14	2.18	2.22	2.27	2.30	2.34	2.39	2.45
1.89	1.94	1.98	2.03	2.07	2.12	2.16	2.21	2.25	2.30	2.34	2.39	2.43	2.48	2.52	2.57	2.61	2.66	2.70
2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.57	2.63	2.68	2.73	2.77	2.83	2.88	2.93	2.99
2.27	2.32	2.38	2.43	2.48	2.54	2.59	2.65	2.70	2.75	2.81	2.86	2.92	2.97	3.02	3.08	3.13	3.19	3.24
2.40	2.46	2.52	2.57	2.63	2.69	2.75	2.80	2.86	2.93	2.99	3.03	3.08	3.14	3.20	3.26	3.31	3.38	3.44
2.53	2.59	2.65	2.71	2.77	2.83	2.89	2.95	3.01	3.08	3.13	3.20	3.26	3.32	3.38	3.44	3.49	3.56	3.62
2.68	2.74	2.81	2.87	2.93	3.00	3.06	3.13	3.19	3.26	3.31	3.38	3.44	3.51	3.58	3.65	3.71	3.76	3.82
2.81	2.87	2.94	3.01	3.07	3.14	3.21	3.27	3.34	3.41	3.47	3.54	3.60	3.67	3.74	3.82	3.89	3.94	4.00
2.94	3.01	3.08	3.15	3.22	3.29	3.36	3.43	3.51	3.56	3.64	3.71	3.78	3.85	3.92	4.00	4.07	4.13	4.19
3.08	3.16	3.23	3.30	3.38	3.45	3.52	3.60	3.67	3.74	3.82	3.89	3.96	4.04	4.12	4.19	4.27	4.33	4.39
3.23	3.30	3.38	3.46	3.53	3.61	3.69	3.76	3.84	3.92	4.00	4.07	4.14	4.22	4.30	4.38	4.46	4.54	4.61
3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.92	4.00	4.08	4.16	4.24	4.32	4.40	4.48	4.56	4.64	4.73	4.81
3.57	3.65	3.74	3.83	3.91	4.00	4.08	4.17	4.25	4.34	4.42	4.51	4.59	4.67	4.76	4.84	4.93	5.01	5.10
5.36	5.48	5.61	5.73	5.87	5.99	6.12	6.25	6.37	6.50	6.63	6.76	6.89	7.01	7.14	7.26	7.40	7.52	7.65

CUSTOMERS, REVENUE,
for the Year Ended
In Forty Major Municipal
(Arranged in descending order

	Total Revenue (including Street Lighting)	Total Consumption (including Street Lighting)	Residential Service (including flat-rate water-heaters)				
			Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	$	kwh	$	kwh	No.	kwh	¢
Toronto	41,804,694	3,721,170,327	12,117,392	956,587,122	181,218	440	1.27
Hamilton	20,311,609	2,785,257,693	4,560,049	433,087,889	76,952	469	1.05
Ottawa	13,012,886	1,352,090,980	5,111,347	677,378,342	85,949	657	0.75
North York Twp.	15,225,996	1,273,068,123	7,840,619	665,753,203	101,825	545	1.18
Sarnia	6,843,275	921,985,010	994,585	67,626,010	14,549	387	1.47
Etobicoke Twp.	9,906,703	919,598,176	4,640,231	435,113,041	59,453	610	1.07
Scarborough Twp.	10,404,175	899,169,827	5,390,190	464,416,925	68,789	563	1.16
London	8,100,329	729,801,905	3,385,434	273,619,444	53,167	429	1.24
St. Catharines	5,279,982	541,867,216	1,719,857	143,366,556	24,881	480	1.20
Toronto Twp.	5,250,547	503,059,167	1,873,409	154,094,236	20,708	620	1.22
Windsor	5,187,112	481,754,910	1,576,882	146,153,340	35,206	346	1.08
Oakville	4,193,046	474,252,611	1,276,925	104,352,632	13,007	669	1.22
Oshawa	3,857,439	464,076,093	1,296,368	158,468,922	20,571	642	0.82
Kitchener	4,341,253	436,074,673	1,607,506	164,561,893	25,560	537	0.98
York Twp.	4,162,356	391,517,013	2,297,653	222,801,814	39,747	467	1.03
Kingston	2,874,714	283,847,638	1,124,621	107,616,841	15,138	592	1.05
Brantford	2,628,364	264,910,355	1,037,134	92,456,484	16,208	475	1.12
Peterborough	2,693,423	263,771,589	1,285,213	116,090,746	15,849	610	1.11
Sudbury	3,083,660	242,276,395	1,654,878	155,143,459	22,504	575	1.07
Port Arthur	2,550,562	238,269,341	956,257	89,840,507	12,798	585	1.06
Fort William	1,928,837	221,209,617	800,065	104,803,848	12,895	677	0.76
East York Twp.	2,386,116	215,284,321	1,423,738	126,398,946	23,776	443	1.13
Guelph	2,575,796	213,841,376	1,016,990	78,680,613	12,196	538	1.29
Burlington	2,618,156	211,061,116	1,550,562	124,160,602	14,956	692	1.25
Niagara Falls	2,310,497	198,918,041	991,430	85,168,770	15,754	451	1.16
New Toronto	1,464,647	183,492,338	237,176	22,481,127	3,892	481	1.06
Welland	1,829,938	160,227,001	561,390	38,224,171	10,576	301	1.47
Galt	1,570,037	146,231,018	621,082	54,399,102	9,262	489	1.14
Belleville	1,338,384	134,924,478	639,388	68,478,108	9,670	590	0.93
Chatham	1,847,666	124,433,940	526,432	31,570,650	8,663	304	1.67
Brampton	1,477,952	122,947,269	738,441	56,946,855	7,937	598	1 30
Waterloo	1,349,762	118,298,316	513,497	50,588,771	7,149	590	1.02
Barrie	1,131,978	114,700,193	502,954	50,764,266	7,181	589	0.99
Woodstock	1,200,845	114,368,980	505,467	46,732,620	7,116	547	1.08
Stratford	1,200,674	104,996,890	483,938	42,572,630	6,650	533	1.14
St. Thomas	1,181,195	102,833,430	531,799	42,371,330	7,613	464	1 26
Port Credit	786,717	102,014,471	174,981	16,665,088	2,633	527	1.05
Brockville	989,694	95,060,410	424,192	37,263,639	5,946	522	1 14
Trenton	805,361	94,749,567	259,729	27,739,183	4,139	558	0 94
Thorold	838,374	94,142,198	184,364	11,833,725	2,356	419	1.56

AND CONSUMPTION
December 31, 1964
Electrical Utilities
of total consumption)

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh ▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
9,731,093	702,196,733	25,245	2,318	1.39	18,870,344	2,005,486,762	7,356	483,238	22,719	0.94
2,998,125	264,652,707	9,329	2,364	1.13	12,276,484	2,064,913,646	1,665	357,165	103,349	0.59
6,943,350	608,609,496	11,512	4,406	1.14	505,890	49,795,142	184	16,274	22,552	1.02
4,774,126	371,535,472	6,257	4,948	1.28	2,284,748	215,633,008	918	67,554	19,575	1.06
624,000	39,170,020	862	3,787	1.59	5,130,525	811,958,980	148	106,319	457,184	0.63
1,860,233	141,760,247	2,510	4,707	1.31	3,034,607	328,377,408	965	84,140	28,357	0.92
2,407,068	192,728,997	3,114	5,158	1.25	2,226,265	226,075,465	490	61,523	38,448	0.98
2,003,610	159,984,739	2,820	4,728	1.25	2,482,138	286,928,922	546	70,236	43,793	0.87
835,434	59,224,227	2,447	2,017	1.41	2,574,820	332,516,433	291	68,855	95,222	0.77
798,166	61,069,107	824	6,176	1.31	2,424,467	283,331,664	277	57,123	85,238	0.86
984,557	78,897,350	2,030	3,239	1.25	2,267,685	244,662,060	720	69,788	28,317	0.93
532,429	39,756,773	744	4,453	1.34	2,330,773	328,321,909	153	52,952	178,825	0.71
605,814	53,382,577	1,835	2,424	1.13	1,829,949	246,526,705	304	56,866	67,579	0.74
822,635	66,529,664	1,529	3,626	1.24	1,754,587	198,143,676	361	51,450	45,740	0.89
932,893	76,355,501	1,744	3,648	1.22	765,737	86,019,448	165	22,687	43,444	0.89
911,158	75,510,649	2,363	2,663	1.21	746,252	97,262,148	214	23,867	37,875	0.77
488,327	41,705,182	1,638	2,122	1.17	1,024,058	127,430,689	306	34,544	34,703	0.80
507,684	41,298,249	792	4,345	1.23	797,771	102,703,594	289	25,583	29,615	0.78
983,590	60,515,981	2,287	2,205	1.63	280,552	22,121,163	284	8,206	6,491	1.27
672,489	58,274,702	1,541	3,151	1.15	817,747	85,958,849	55	28,346	130,241	0.95
477,236	48,094,028	1,620	2,474	0.99	535,311	64,145,941	185	21,190	28,895	0.83
530,466	47,215,623	899	4,377	1.12	337,315	37,295,552	88	10,425	35,318	0.90
489,494	32,542,659	1,086	2,497	1.50	936,630	99,039,771	131	25,054	63,002	0.95
496,127	35,753,160	718	4,150	1.39	535,372	50,002,204	154	15,248	27,057	1.07
760,557	62,772,692	1,020	5,128	1.21	435,316	46,607,379	99	13,106	39,232	0.93
167,172	13,703,656	231	4,944	1.22	1,038,784	146,608,355	41	28,268	297,984	0.71
333,464	22,916,216	594	3,215	1.46	851,986	96,520,578	88	23,040	91,402	0.88
241,442	17,090,528	581	2,451	1.41	635,089	72,186,108	147	20,359	40,922	0.88
360,543	29,806,998	805	3,086	1.21	281,393	34,250,172	126	9,521	22,652	0.82
538,690	26,838,870	1,230	1,818	2.01	682,578	62,623,200	271	17,603	19,257	1.09
264,518	20,011,683	378	4,412	1.32	427,687	44,744,671	106	11,376	35,177	0.96
401,912	28,266,037	787	2,993	1.42	370,325	37,001,148	102	10,351	30,230	1.00
322,319	24,188,382	594	3,393	1.33	293,648	38,733,225	120	11,091	26,898	0.76
194,171	14,649,770	442	2,762	1.33	458,591	50,777,390	145	13,772	29,182	0.90
257,280	18,503,370	711	2,169	1.39	397,162	41,640,050	153	12,800	22,680	0.95
202,290	14,676,090	446	2,742	1.38	417,539	44,815,680	136	11,737	27,461	0.93
105,974	8,716,536	139	5,226	1.22	489,511	76,043,087	8	10,767	792,115	0.64
238,295	19,372,944	399	4,046	1.23	295,228	37,089,795	46	9,647	67,192	0.80
121,038	10,028,398	293	2,852	1.21	397,469	56,091,746	72	11,187	64,921	0.71
65,882	3,652,722	216	1,409	1.80	568,291	78,128,051	41	13,406	158,797	0.73

▲See Introduction page 199.

CUSTOMERS, REVENUE,

for the Year Ended

(By Municipalities

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Acton	4,295	1,344	5,355	98,005	8,717,672	1,230	591	1.12
Ailsa Craig	532	231	483	11,069	965,858	206	391	1.15
Ajax	8,523	2,441	8,828	164,044	12,810,103	2,260	472	1.28
Alexandria	2,544	984	2,971	58,692	5,237,759	885	493	1.12
Alfred	993	319	881	22,707	1,875,516	289	541	1.21
Alliston	3,079	1,202	3,288	68,237	6,501,795	999	542	1.05
Almonte	3,529	1,145	3,226	77,502	7,085,678	1,066	554	1.09
Alvinston	640	331	326	11,629	630,913	300	175	1.84
Amherstburg	4,440	1,426	4,116	92,600	8,647,910	1,270	567	1.07
Ancaster Twp. (including Ancaster)	14,360	1,134	3,191	123,966	9,275,864	1,080	716	1.34
Apple Hill	400	118	134	5,231	355,520	100	296	1.47
Arkona	463	197	316	13,657	1,067,333	185	481	1.28
Arnprior	5,576	1,807	5,457	118,688	11,786,060	1,652	595	1.01
Arthur	1,270	543	1,160	31,750	2,804,370	491	476	1.13
Athens	981	374	666	20,187	1,925,672	356	451	1.05
Atikokan Twp.	5,959	1,690	4,086	157,163	13,210,797	1,547	712	1.19
Aurora	9,875	2,870	8,097	188,425	16,975,227	2,612	542	1.11
Avonmore	242	112	235	8,271	514,539	100	429	1.61
Aylmer	4,558	1,573	5,904	99,568	9,814,300	1,420	576	1.01
Ayr	1,078	397	1,042	22,443	2,044,058	326	523	1.10
Baden	920	296	1,078	19,700	1,801,800	279	538	1.09
†Bala	*484	850	1,061	46,725	1,780,700	768	193	2.62
Bancroft	2,275	754	1,785	54,899	4,261,408	673	528	1.29
Barrie	23,502	7,895	24,350	502,954	50,764,266	7,181	589	0.99
Barry's Bay	1,381	448	631	17,926	1,512,075	416	303	1.19
Bath	703	260	484	19,739	1,469,529	237	517	1.34
Beachburg	546	221	406	14,767	1,025,675	206	415	1.44
Beachville	903	313	2,474	19,689	1,827,153	301	506	1.08
Beamsville	3,441	1,190	1,938	80,318	5,995,271	1,098	455	1.34
†Beardmore	1,050	332	597	26,160	1,698,900	256	553	1.54
Beaverton	1,182	608	1,865	33,117	3,154,100	556	473	1.05
Beeton	929	324	679	21,099	1,784,264	304	489	1.18
Belle River	2,018	747	999	37,442	2,156,220	690	260	1.74
Belleville	31,960	10,601	28,785	639,388	68,478,108	9,670	590	0.93
Belmont	726	237	1,064	19,663	1,255,094	220	475	1.57
Blenheim	3,341	1,216	2,199	50,941	3,585,970	1,081	276	1.42
†Blind River	3,740	1,169	2,408	94,555	6,416,600	984	543	1.47
Bloomfield	776	312	554	17,094	1,541,509	291	441	1.11
Blyth	775	340	839	19,285	1,706,026	299	475	1.13
Bobcaygeon	1,229	762	1,166	43,060	3,022,730	681	§390	1.42

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1964

Alphabetically Arranged)

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
30,956	1,980,705	73	2,261	1.56	148,070	13,214,184	41	3,757	26,858	1.12
3,939	254,780	19	1,117	1.55	7,914	477,830	6	284	6,637	1.66
39,838	2,771,412	91	2,538	1.44	203,555	21,769,724	90	6,448	20,157	0.94
29,763	1,989,097	82	2,021	1.50	37,627	3,124,265	17	990	15,315	1.20
6,177	387,425	20	1,614	1.59	9,293	648,666	10	290	5,406	1.43
47,058	2,900,495	167	1,447	1.62	56,694	5,614,367	36	1,683	12,996	1.01
23,329	1,884,155	57	2,755	1.24	42,723	5,126,227	22	1,407	19,418	0.83
5,570	279,200	23	1,012	1.99	1,569	66,435	8	50	692	2.36
40,250	2,765,210	121	1,904	1.46	84,733	8,269,210	35	2,425	19,689	1.02
26,620	1,422,652	47	2,522	1.87	2,934	251,747	7	76	2,997	1.17
1,605	78,570	18	364	2.04	.....	.....	.....	.....	.....	.....
4,229	261,824	10	2,182	1.62	4,250	207,860	2	110	8,661	2.04
60,181	4,637,947	134	2,884	1.30	59,063	5,662,826	21	1,758	22,472	1.04
8,760	513,794	37	1,157	1.70	6,697	358,600	15	233	1,992	1.87
4,537	298,860	17	1,465	1.52	919	67,400	1	35	5,617	1.36
66,897	4,258,463	131	2,709	1.57	46,673	5,787,434	12	1,010	40,191	0.81
77,026	5,827,213	217	2,238	1.32	127,252	11,560,959	41	3,827	23,498	1.10
3,101	183,624	11	1,391	1.69	1,161	46,350	1	38	3,863	2.50
59,826	4,386,120	119	3,072	1.36	93,379	7,700,740	34	3,013	18,874	1.21
12,354	754,164	60	1,047	1.64	12,472	741,495	11	379	5,617	1.68
3,040	209,526	12	1,455	1.45	20,308	1,830,925	5	606	30,515	1.11
14,868	693,400	76	760	2.14	1,343	76,000	6	50	1,056	1.77
32,534	1,973,538	69	2,384	1.65	9,419	571,690	12	294	3,970	1.65
322,319	24,188,382	594	3,393	1.33	293,648	38,733,225	120	11,091	26,898	0.76
6,902	503,515	28	1,499	1.37	994	80,550	4	34	1,678	1.23
5,637	250,470	22	949	2.25	669	65,750	1	11	5,479	1.02
1,938	122,801	11	930	1.58	6,940	419,450	4	210	8,739	1.65
2,054	119,560	10	996	1.72	85,719	12,824,832	2	2,063	534,368	0.67
34,883	2,161,332	83	2,170	1.61	8,776	525,430	9	249	4,865	1.67
15,758	838,900	73	958	1.88	261	4,700	3	15	.....	.....
12,872	954,445	38	2,093	1.35	32,069	2,840,917	14	1,233	16,910	1.13
4,278	231,946	13	1,487	1.84	5,744	341,630	7	143	4,067	1.68
19,335	1,140,567	51	1,864	1.70	4,556	341,985	6	126	4,750	1.33
360,543	29,806,998	805	3,086	1.21	281,393	34,250,172	126	9,521	22,652	0.82
4,297	240,612	11	1,823	1.79	46,853	3,511,924	6	965	48,777	1.33
37,938	2,194,530	105	1,742	1.73	30,305	1,937,875	30	893	5,383	1.56
59,053	3,461,800	179	1,612	1.71	24,832	1,492,300	6	568	20,726	1.66
4,052	262,754	15	1,460	1.54	2,188	97,456	6	109	1,354	2.25
7,713	484,550	33	1,224	1.59	15,885	1,456,240	8	395	15,169	1.09
18,299	884,184	71	§720	2.07	9,605	505,993	10	300	4,217	1.90

▲See Introduction page 199.

CUSTOMERS, REVENUE,
for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Bolton	2,075	693	1,623	66,673	4,909,079	646	633	1.36
Bothwell	808	338	597	14,423	1,160,570	296	327	1.24
Bowmanville	7,872	2,660	9,885	159,574	17,229,917	2,478	579	0.93
Bracebridge	3,110	1,209	**3,140**	77,972	6,519,760	968	561	1.20
Bradford	2,379	875	2,467	54,950	5,033,532	747	562	1.09
Braeside	538	157	1,822	8,966	736,475	148	415	1.22
Brampton	29,634	8,421	30,385	738,441	56,946,855	7,937	598	1.30
Brantford	56,070	18,152	55,616	1,037,134	92,456,484	16,208	475	1.12
Brantford Twp.	8,344	2,506	8,140	300,809	20,438,911	2,343	727	1.47
Brechin	241	99	182	4,165	426,675	85	418	0.98
Bridgeport	1,821	509	1,343	41,523	3,394,008	475	595	1.22
Brigden	548	211	302	6,967	518,190	181	239	1.34
Brighton	2,674	1,037	2,064	65,818	5,960,672	964	515	1.10
Brockville	18,753	6,391	20,722	424,192	37,263,639	5,946	522	1.14
Brussels	846	377	803	25,530	2,011,350	333	503	1.27
Burford	1,061	425	982	31,808	2,741,712	382	598	1.16
Burgessville	279	104	245	6,358	562,154	86	545	1.13
Burk's Falls	1,004	370	955	23,960	1,834,720	341	448	1.31
Burlington	54,864	15,828	49,184	1,550,562	124,160,602	14,956	692	1.25
Cache Bay	753	193	262	9,281	577,739	187	257	1.61
Caledonia	2,485	892	1,459	42,374	3,238,200	815	331	1.31
Campbellford	3,486	1,366	**3,372**	82,334	8,291,924	1,213	570	0.99
Campbellville	261	87	188	7,992	599,790	81	617	1.33
Cannington	1,050	450	869	25,819	2,465,176	409	502	1.05
Capreol	3,014	1,023	2,417	88,325	7,174,294	970	616	1.23
Cardinal	1,960	677	1,136	37,362	3,366,360	631	445	1.11
Carleton Place	4,844	1,778	3,901	114,350	9,306,945	1,658	468	1.23
Casselman	1,300	390	1,000	26,736	2,009,709	361	464	1.33
Cayuga	994	396	679	20,352	1,452,598	342	354	1.40
Chalk River	1,154	292	662	22,172	1,847,398	276	558	1.20
Chapleau Twp.	3,656	1,053	**1,288**	110,230	2,242,710	909	206	4.92
Chatham	30,534	10,164	28,055	526,432	31,570,650	8,663	304	1.67
Chatsworth	391	179	353	10,494	918,370	161	475	1.14
Chesley	1,777	738	1,545	38,245	3,530,085	602	489	1.08
Chesterville	1,296	477	1,726	28,753	2,672,247	437	510	1.08
Chippawa	3,648	1,133	1,890	68,385	4,836,848	1,082	§379	1.41
Clifford	545	234	470	14,751	1,235,009	214	481	1.19
Clinton	3,552	1,256	2,832	84,694	7,111,770	1,122	528	1.19
†Cobalt	2,210	754	1,340	54,958	3,598,300	630	476	1.53
Cobden	925	384	872	19,226	2,117,627	350	504	0.91

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
18,643	1,230,002	34	3,015	1.52	8,819	571,851	13	263	3,666	1.54
9,777	742,756	31	1,997	1.32	4,087	149,505	11	199	1,133	2.73
72,420	6,582,436	159	3,450	1.10	123,752	15,758,330	23	4,045	57,095	0.79
53,719	3,901,556	217	1,498	1.38	22,582	1,973,722	24	827	6,853	1.14
31,724	2,008,920	98	1,708	1.58	28,975	2,506,539	30	885	6,963	1.16
1,067	62,833	7	748	1.70	58,386	6,303,366	2	1,621	262,640	0.93
264,518	20,011,683	378	4,412	1.32	427,687	44,744,671	106	11,376	35,177	0.96
488,327	41,705,182	1,638	2,122	1.17	1,024,058	127,430,689	306	34,544	34,703	0.80
81,004	5,635,250	103	4,559	1.44	137,788	9,367,837	60	3,958	13,011	1.47
2,595	207,780	13	1,332	1.25	446	15,192	1	26	1,266	2.94
14,934	1,080,183	26	3,462	1.38	4,987	250,235	8	180	2,607	1.99
5,082	348,430	22	1,320	1.46	4,304	169,780	8	183	1,769	2.54
25,154	1,695,291	64	2,207	1.48	8,693	665,102	9	280	6,158	1.31
238,295	19,372,944	399	4,046	1.23	295,228	37,089,795	46	9,647	67,192	0.80
8,668	513,155	35	1,222	1.69	6,672	354,395	9	186	3,281	1.88
10,682	694,017	33	1,753	1.54	5,993	374,065	10	201	3,117	1.61
3,549	168,478	15	936	2.11	2,191	37,610	3	111	1,045	5.83
11,304	712,140	25	2,374	1.59	11,017	883,455	4	269	18,405	1.25
496,127	35,753,160	718	4,150	1.39	535,372	50,002,204	154	15,248	27,057	1.07
1,481	82,726	3	2,298	1.79	17,977	960,564	3	472	26,682	1.87
20,812	1,300,923	55	1,971	1.60	9,808	789,628	22	259	2,991	1.24
38,508	3,254,510	130	2,086	1.18	23,417	2,013,290	23	928	7,295	1.16
1,083	59,080	5	985	1.83	406	38,100	1	7	3,175	1.07
6,975	481,107	28	1,432	1.45	5,271	350,526	13	181	2,247	1.50
19,935	1,245,880	49	2,119	1.60	13,501	1,565,080	4	305	32,606	0.86
9,382	621,637	42	1,233	1.51	1,380	128,020	4	38	2,667	1.08
35,104	2,146,303	89	2,010	1.64	47,181	4,591,089	31	1,326	12,342	1.03
10,501	586,318	23	2,124	1.79	15,034	776,665	6	463	10,787	1.94
12,438	737,218	43	1,429	1.69	5,375	143,310	11	230	1,086	3.75
7,183	515,940	14	3,071	1.39	2,746	251,100	2	81	10,463	1.09
60,449	1,038,743	126	687	5.82	17,629	536,316	18	198	2,483	3.29
538,690	26,838,870	1,230	1,818	2.01	682,578	62,623,200	271	17,603	19,257	1.09
4,507	272,750	17	1,337	1.65	540	16,050	1	23	1,338	3.36
19,103	1,121,371	108	865	1.70	13,921	900,423	28	480	2,680	1.55
9,279	669,428	31	1,800	1.39	40,884	4,069,838	9	1,102	37,684	1.00
20,955	1,246,550	37	§1,849	1.68	6,111	578,317	14	184	3,442	1.06
3,823	263,142	14	1,566	1.45	4,211	281,160	6	111	3,905	1.50
49,008	3,294,575	108	2,542	1.49	23,833	1,737,890	26	666	5,570	1.37
22,587	1,179,000	118	833	1.92	10,237	830,600	6	220	11,536	1.23
8,408	602,702	28	1,794	1.40	5,217	220,372	6	287	3,061	2.37

▲See Introduction page 199.

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Cobourg	10,020	3,802	12,441	223,272	22,337,970	3,428	543	1.00
Cochrane	4,693	1,366	3,606	100,587	7,699,572	1,145	560	1.31
Colborne	1,425	597	1,282	35,173	3,075,313	490	523	1.14
Coldwater	786	303	635	17,873	1,751,526	283	516	1.02
Collingwood	8,381	3,252	8,003	160,966	16,056,532	2,994	447	1.00
Comber	581	240	411	9,802	677,480	209	270	1.45
Coniston	2,608	683	1,546	54,935	4,614,488	664	579	1.19
Cookstown	676	259	577	14,441	1,430,468	239	499	1.01
Cottam	667	254	332	11,452	907,510	229	330	1.26
Courtright	571	215	282	9,978	525,990	200	219	1.90
Creemore	902	363	695	20,354	1,837,400	305	502	1.11
Dashwood	410	188	398	14,312	955,830	177	450	1.50
Deep River	5,643	1,520	5,059	137,016	13,370,056	1,368	814	1.02
Delaware	429	148	301	12,267	892,118	138	§559	1.38
Delhi	3,625	1,470	3,655	69,861	6,192,959	1,310	394	1.13
Deseronto	1,819	617	1,127	33,566	3,199,063	578	461	1.05
Dorchester	996	352	682	19,168	1,590,930	331	401	1.20
Drayton	667	277	550	19,447	1,365,856	250	455	1.42
Dresden	2,356	949	1,833	40,232	2,767,550	865	267	1.45
Drumbo	398	169	284	10,224	894,290	163	457	1.14
Dryden	6,349	1,991	4,988	169,481	13,586,148	1,862	608	1.25
Dublin	283	118	386	7,020	631,431	103	511	1.11
Dundalk	921	469	993	23,956	2,029,516	419	404	1.18
Dundas	14,185	4,492	12,606	345,916	25,966,721	4,174	518	1.33
Dunnville	5,579	1,971	4,594	76,674	5,557,581	1,733	267	1.38
Durham	2,391	907	2,234	51,089	4,410,222	752	489	1.16
Dutton	814	362	580	14,200	1,074,870	330	271	1.32
East York Twp.	70,882	24,763	48,579	1,423,738	126,398,946	23,776	443	1.13
Eganville	1,436	510	**1,144**	29,024	2,090,933	445	§399	1.39
†Elk Lake Townsite	§660	233	482	13,087	892,200	173	430	1.47
Elmira	3,782	1,324	5,665	91,832	8,046,769	1,204	557	1.14
Elmvale	1,011	417	937	24,442	2,246,342	374	501	1.09
Elmwood	§450	137	205	5,791	502,520	128	327	1.15
Elora	1,523	550	1,041	44,229	2,867,716	511	468	1.54
Embro	599	240	535	15,763	1,328,080	191	579	1.19
†Englehart	1,753	637	1,246	42,536	2,635,800	531	414	1.61
Erieau	484	366	494	15,510	1,273,484	333	319	1.22
Erie Beach	*203	141	75	6,338	222,880	134	139	2.84
Erin	1,133	437	849	27,871	2,341,550	400	488	1.19
Espanola	5,298	1,390	3,529	126,930	10,180,688	1,297	654	1.25

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population
§Estimated

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
77,661	6,140,475	297	1,723	1.26	256,704	33,236,936	77	8,176	35,971	0.77
61,927	3,282,626	197	1,389	1.89	39,248	3,651,408	24	964	12,679	1.07
19,895	996,705	96	865	2.00	11,451	720,018	11	294	5,455	1.59
3,697	237,906	16	1,239	1.55	5,546	326,486	4	215	6,802	1.70
80,224	6,282,124	196	2,671	1.28	108,131	11,533,506	62	3,641	15,502	0.94
6,656	345,550	24	1,200	1.93	7,368	303,760	7	258	3,616	2.43
8,488	506,710	16	2,639	1.68	2,543	190,580	3	66	5,294	1.33
2,326	147,120	15	817	1.58	2,785	157,670	5	111	2,628	1.77
4,078	227,480	18	1,053	1.79	3,702	66,060	7	217	786	5.60
4,992	257,920	13	1,653	1.94	746	76,690	2	15	3,195	0.97
8,066	453,850	52	727	1.78	2,789	139,300	6	123	1,935	2.00
2,286	124,070	8	1,292	1.84	6,068	255,600	3	177	7,100	2.37
67,488	5,079,392	144	2,939	1.33	9,743	878,988	8	301	9,156	1.11
3,662	163,887	10	§910	2.23	.....	.....	.....	.....	.....	.....
58,057	4,026,250	124	2,706	1.44	40,150	2,561,198	36	1,374	5,929	1.57
7,170	506,346	24	1,758	1.42	18,042	1,340,852	15	637	7,449	1.35
3,215	161,610	18	748	1.99	6,431	334,730	3	208	9,298	1.92
5,098	258,019	23	935	1.98	4,245	162,158	4	132	3,378	2.62
22,929	1,463,580	62	1,967	1.57	55,637	4,144,420	22	1,489	15,699	1.34
1,160	49,670	4	1,035	2.34	1,142	38,520	2	41	1,605	2.96
83,458	5,431,003	124	3,650	1.54	6,969	478,200	5	153	7,970	1.46
4,844	370,978	13	2,378	1.31	7,925	406,500	2	184	16,938	1.95
10,272	580,393	36	1,344	1.77	8,491	459,671	14	296	2,736	1.85
157,487	10,721,350	222	4,025	1.47	126,781	10,823,153	96	3,954	9,395	1.17
61,109	4,008,326	198	1,687	1.52	99,358	9,049,456	40	2,844	18,853	1.10
28,046	1,631,892	132	1,030	1.72	34,258	2,359,255	23	1,007	8,548	1.45
4,135	259,590	20	1,082	1.59	7,871	571,650	12	253	3,970	1.38
530,466	47,215,623	899	4,377	1.12	337,315	37,295,552	88	10,425	35,318	0.90
22,816	1,129,008	57	§1,442	2.02	9,192	658,566	8	241	6,860	1.40
7,711	489,300	58	703	1.58	6,233	265,000	2	230	11,042	2.35
41,163	2,627,389	84	2,607	1.57	123,791	12,346,741	36	3,220	28,580	1.00
11,701	869,498	31	2,337	1.35	2,546	171,750	12	95	1,193	1.48
1,394	89,126	8	928	1.56	2,659	100,000	1	97	8,333	2.66
9,931	537,555	32	1,400	1.85	10,248	646,620	7	281	7,698	1.58
5,726	355,090	45	658	1.61	4,327	195,050	4	106	4,064	2.22
22,231	1,209,400	103	978	1.84	6,423	697,400	3	150	19,372	0.92
7,838	552,738	28	1,645	1.42	5,459	273,110	5	162	4,552	2.00
656	21,430	7	255	3.06	.....	.....	.....	.....	.....	.....
8,955	577,596	30	1,604	1.55	3,994	225,838	7	173	2,689	1.77
50,968	3,477,731	87	3,331	1.47	4,364	299,905	6	149	4,165	1.46

▲See Introduction page 199.

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Essex	3,551	1,228	2,307	60,578	4,644,520	1,091	355	1.30
Etobicoke Twp.	194,099	62,928	193,966	4,640,231	435,113,041	59,453	610	1.07
Exeter	3,144	1,301	2,891	100,138	7,753,211	1,163	§583	1.29
Fergus	4,037	1,478	4,585	105,949	8,433,561	1,361	§535	1.26
Finch	390	175	326	9,670	771,787	160	402	1.25
Flesherton	506	246	533	10,537	1,169,987	217	449	0.90
Fonthill	2,618	856	1,584	59,290	4,777,838	774	514	1.24
Forest	2,174	915	1,768	54,193	5,255,721	834	525	1.03
Forest Hill	22,494	9,051	19,300	652,302	63,068,380	8,603	611	1.03
Fort William	46,662	14,700	43,320	800,065	104,803,848	12,895	677	0.76
Frankford	1,698	665	1,235	38,329	3,628,665	624	485	1.06
Galt	30,174	9,990	31,674	621,082	54,399,102	9,262	489	1.14
Georgetown	11,374	3,436	10,339	255,423	21,024,262	3,238	541	1.21
†Geraldton	3,612	1,153	1,926	76,562	4,567,000	951	400	1.68
Glencoe	1,206	538	868	17,033	1,450,268	465	260	1.17
Goderich	6,671	2,550	7,844	157,282	13,510,936	2,327	484	1.16
†Gogama	§520	166	348	16,091	639,600	141	378	2.52
Grand Bend	*884	841	685	44,393	2,055,970	735	233	2.16
Grand Valley	732	345	607	18,939	1,433,320	272	439	1.32
Granton	280	125	179	7,560	478,090	106	376	1.58
Gravenhurst	3,223	1,424	2,966	75,822	7,289,465	1,294	469	1.04
Grimsby	5,962	2,054	4,425	119,017	8,828,710	1,849	398	1.35
Guelph	41,993	13,413	43,771	1,016,990	78,680,613	12,196	538	1.29
Hagersville	2,082	803	1,803	34,538	2,803,695	634	369	1.23
†Haileybury	2,842	968	2,122	73,981	4,921,000	800	513	1.50
Hamilton	275,670	87,946	473,359	4,560,049	433,087,889	76,952	469	1.05
Hanover	4,687	1,760	6,066	100,863	9,822,827	1,494	548	1.03
Harriston	1,622	681	1,736	40,704	3,416,340	612	465	1.19
Harrow	1,752	705	1,632	46,570	4,172,935	600	580	1.12
Hastings	850	424	680	22,275	1,855,438	395	391	1.20
Havelock	1,290	443	846	28,228	2,290,967	412	463	1.23
Hawkesbury	9,014	2,415	5,324	176,065	14,068,315	2,252	521	1.25
Hearst	2,651	708	2,120	55,946	3,919,013	632	517	1.43
Hensall	935	379	1,020	21,985	1,964,740	301	544	1.12
†Hepworth	333	129	219	8,315	548,100	114	401	1.52
Hespeler	4,950	1,561	6,631	84,828	6,873,581	1,399	409	1.23
Highgate	382	166	252	4,835	369,070	123	250	1.31
Holstein	148	96	154	4,174	353,880	77	383	1.18
†Hornepayne	§1,500	488	1,087	57,528	2,894,000	423	570	1.99
†Hudson Townsite	§600	222	859	12,425	637,500	185	287	1.95

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
50,844	3,331,912	107	2,595	1.53	24,090	1,309,190	30	891	3,637	1.84
1,860,233	141,760,247	2,510	4,707	1.31	3,034,607	328,377,408	965	84,140	28,357	0.92
33,992	1,979,719	99	§1,078	1.72	37,324	2,294,721	39	1,135	4,903	1.63
33,244	1,724,800	85	§1,092	1.93	95,615	8,054,224	32	2,656	20,975	1.19
3,274	197,907	11	1,499	1.65	3,102	113,270	4	117	2,360	2.74
5,674	404,110	27	1,247	1.40	1,576	108,520	2	67	4,522	1.45
16,769	968,151	71	1,136	1.73	4,657	233,875	11	145	1,772	1.99
22,435	1,659,109	57	2,426	1.35	14,414	1,298,812	24	492	4,510	1.11
235,381	20,956,390	444	3,933	1.12	11,499	1,492,230	4	327	31,088	0.77
477,236	48,094,028	1,620	2,474	0.99	535,311	64,145,941	185	21,190	28,895	0.83
6,967	519,838	36	1,203	1.34	2,713	292,431	5	92	4,874	0.93
241,442	17,090,528	581	2,451	1.41	635,089	72,186,108	147	20,359	40,922	0.88
73,200	5,082,412	153	2,768	1.44	198,411	22,193,684	45	5,388	41,099	0.89
58,178	3,484,100	185	1,569	1.67	2,884	114,400	17	82	561	2.52
18,349	1,207,452	55	1,829	1.52	11,070	557,357	18	472	2,580	1.99
56,921	3,594,397	156	1,920	1.58	187,500	15,732,460	67	5,297	19,568	1.19
5,762	201,500	23	730	2.86	7,253	434,500	2	93	18,104	1.67
27,876	1,523,560	106	1,198	1.83	.....	.....	.....	.....	.....	.....
8,599	392,290	66	495	2.19	5,319	284,430	7	170	3,386	1.87
1,674	72,200	18	334	2.32	149	550	1	7	.....	.....
34,552	2,826,890	102	2,310	1.22	26,124	2,594,522	28	859	7,722	1.01
85,160	5,669,826	179	2,640	1.50	37,656	2,801,730	26	1,038	8,980	1.34
489,494	32,542,659	1,086	2,497	1.50	936,630	99,039,771	131	25,054	63,002	0.95
30,090	1,787,060	143	1,041	1.68	32,924	2,110,607	26	1,195	6,765	1.56
48,284	2,577,700	160	1,343	1.87	5,442	439,500	8	142	4,578	1.24
2,998,125	264,652,707	9,329	2,364	1.13	12,276,484	2,064,913,646	1,665	357,165	103,349	0.59
56,215	3,876,928	227	1,423	1.45	74,227	7,180,049	39	2,679	15,342	1.03
16,151	1,046,789	53	1,646	1.54	28,607	2,683,909	16	760	13,979	1.07
27,973	1,780,304	91	1,630	1.57	19,543	980,938	14	676	5,839	1.99
5,891	404,700	23	1,466	1.46	4,260	260,142	6	154	3,613	1.64
9,619	600,642	28	1,788	1.60	1,946	142,410	3	60	3,956	1.37
92,123	5,570,542	136	3,413	1.65	18,882	1,371,378	27	674	4,233	1.38
28,936	1,800,255	65	2,308	1.61	15,488	1,137,736	11	488	8,619	1.36
10,175	557,770	56	830	1.82	23,111	1,440,090	22	757	5,455	1.60
3,479	167,000	15	928	2.08	.....	.....	.....	.....	.....	.....
29,598	1,785,171	125	1,190	1.66	183,098	21,586,599	37	5,605	48,618	0.85
3,773	215,870	39	461	1.75	4,525	157,250	4	144	3,276	2.88
1,303	79,050	17	388	1.65	953	63,600	2	19	2,650	1.50
23,376	981,300	62	1,319	2.38	9,032	601,400	3	130	16,706	1.50
5,972	319,200	34	782	1.87	25,308	1,850,000	3	500	51,389	1.37

▲See Introduction page 199.

CUSTOMERS, REVENUE,

for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Huntsville	3,071	1,247	3,012	76,416	6,797,500	1,112	§542	1.12
Ingersoll	7,025	2,401	6,372	144,117	9,266,280	2,169	356	1.56
Iroquois	1,145	407	1,135	26,990	2,629,167	347	631	1.03
Jarvis	742	277	530	13,898	941,320	254	309	1.48
†Jellicoe Townsite	§200	69	77	4,130	232,200	55	352	1.78
Kapuskasing	12,295	2,367	5,427	145,792	12,639,063	2,175	484	1.15
†Kearns Townsite	§500	188	310	13,421	944,900	176	447	1.42
Kemptville	2,076	840	2,194	57,623	4,909,366	782	523	1.17
Killaloe Station	836	285	501	18,857	1,124,500	261	359	1.68
Kincardine	2,882	1,288	2,633	68,372	6,865,990	1,167	490	1.00
King City	1,895	543	1,568	64,832	4,636,940	522	740	1.40
†King Kirkland Townsite	§600	207	385	16,117	1,121,400	187	500	1.44
Kingston	51,451	17,715	70,315	1,124,621	107,616,841	15,138	592	1.05
Kingsville	3,439	1,428	2,933	58,334	5,576,470	1,276	364	1.05
Kirkfield	197	109	159	5,917	417,070	102	341	1.42
†Kirkland Lake (including Swastika)	§18,600	6,050	10,626	388,066	25,869,400	5,102	423	1.50
Kitchener	82,674	27,450	91,493	1,607,506	164,561,893	25,560	537	0.98
Lakefield	2,201	803	1,872	46,112	4,809,437	665	603	0.96
Lambeth	2,654	745	1,602	61,398	4,377,800	716	510	1.40
Lanark	954	317	482	13,035	1,327,908	299	370	0.98
Lancaster	571	215	447	13,253	964,580	193	416	1.37
Larder Lake Twp.	1,635	487	992	40,243	3,291,650	432	635	1.22
Latchford	452	156	210	7,251	518,508	144	300	1.40
Leamington	9,152	3,401	8,229	160,942	12,967,440	3,080	351	1.24
Lindsay	11,375	4,114	11,666	245,445	23,598,698	3,761	523	1.04
Listowel	4,326	1,640	4,535	104,265	9,634,514	1,474	545	1.08
London	175,936	56,533	157,551	3,385,434	273,619,444	53,167	429	1.24
Long Branch	11,658	4,781	9,013	247,006	22,519,766	4,566	411	1.10
L'Orignal	1,309	416	759	25,485	1,874,311	390	400	1.36
Lucan	960	378	795	27,733	2,174,037	354	512	1.28
Lucknow	1,044	474	1,104	21,907	2,033,318	369	459	1.08
Lynden	580	175	462	13,728	1,198,201	167	598	1.15
Madoc	1,391	603	1,236	29,339	2,987,177	531	469	0.98
Magnetawan	260	108	165	6,485	335,550	100	280	1.93
Markdale	1,102	485	1,002	24,046	2,222,100	388	477	1.08
Markham	5,702	1,892	5,307	147,216	11,647,865	1,764	550	1.26
Marmora	1,331	499	967	30,306	2,618,351	461	473	1.16
Martintown	393	128	183	5,803	468,080	112	348	1.24
Massey	1,301	353	691	31,667	1,990,298	333	498	1.59
†Matachewan Twp.	§950	312	391	15,908	1,016,000	268	316	1.57

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
70,143	4,929,770	104	$2,417	1.42	18,353	1,546,830	31	682	4,158	1.19
71,449	4,311,820	179	2,007	1.66	159,503	15,784,690	53	4,770	24,819	1.01
16,914	1,214,321	56	1,807	1.39	3,162	278,200	4	113	5,796	1.14
4,424	240,750	16	1,254	1.84	8,376	488,930	7	221	5,821	1.71
2,265	122,700	14	730	1.85	.....	.....	.....	.....	.....	.....
88,342	5,894,901	163	3,014	1.50	9,200	610,292	29	440	1,754	1.51
2,361	143,800	11	1,089	1.64	527	22,200	1	15	1,850	2.37
35,564	2,716,038	46	4,920	1.31	23,344	1,652,436	12	729	11,475	1.41
8,850	526,932	23	1,909	1.68	169	1,040	1	14	87	.....
27,761	1,807,391	97	1,553	1.54	26,838	2,038,819	24	814	7,079	1.32
16,668	900,080	17	4,412	1.85	1,824	140,440	4	43	2,926	1.30
3,000	213,800	20	891	1.40	.....	.....	.....	.....	.....	.....
911,158	75,510,649	2,363	2,663	1.21	746,252	97,262,148	214	23,867	37,875	0.77
34,280	2,305,890	118	1,628	1.49	30,004	2,005,770	34	1,254	4,916	1.50
1,024	44,300	7	527	2.31	.....	.....	.....	.....	.....	.....
213,960	14,156,000	918	1,285	1.51	56,553	5,073,100	30	2,040	14,092	1.11
822,635	66,529,664	1,529	3,626	1.24	1,754,587	198,143,676	361	51,450	45,740	0.89
27,445	1,807,401	123	1,225	1.52	11,348	864,657	15	401	4,804	1.31
9,066	473,310	27	1,461	1.92	2,092	158,370	2	45	6,599	1.32
2,757	219,551	14	1,307	1.26	5,843	396,843	4	217	8,268	1.47
7,726	490,720	22	1,859	1.57	.....	.....	.....	.....	.....	.....
10,081	560,375	52	898	1.80	1,546	144,590	3	30	4,016	1.07
2,933	205,220	10	1,710	1.43	847	38,615	2	33	1,609	2.19
105,820	6,993,760	256	2,277	1.51	171,540	18,464,190	65	4,242	23,672	0.93
124,464	9,104,730	262	2,896	1.37	189,282	22,424,546	91	5,392	20,535	0.84
62,257	4,413,120	128	2,873	1.41	55,521	4,553,320	38	1,624	9,985	1.22
2,003,610	159,984,739	2,820	4,728	1.25	2,482,138	286,928,922	546	70,236	43,793	0.87
69,194	6,029,879	190	2,645	1.15	87,876	9,272,938	25	3,138	30,910	0.95
14,293	999,579	24	3,471	1.43	1,032	28,709	2	55	1,196	3.59
7,345	467,471	18	2,164	1.57	4,336	216,500	6	147	3,007	2.00
13,626	857,199	93	768	1.59	20,382	1,046,760	12	520	7,269	1.95
2,224	140,900	5	2,348	1.58	4,520	240,500	3	161	6,681	1.88
19,602	1,435,842	59	2,028	1.37	7,987	471,889	13	278	3,025	1.69
1,870	93,910	7	1,118	1.99	476	9,650	1	17	804	4.93
16,896	1,088,140	91	996	1.55	4,185	305,860	6	129	4,248	1.37
55,104	3,789,931	108	2,924	1.45	46,762	4,159,793	20	1,400	17,332	1.12
11,523	733,972	32	1,911	1.57	2,938	228,718	6	79	3,177	1.28
1,956	114,840	14	684	1.70	735	18,400	2	47	767	3.99
8,703	470,018	19	2,061	1.85	809	90,200	1	15	7,517	0.90
5,143	315,400	44	597	1.63	.....	.....	.....	.....	.....	.....

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CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
†Matheson	911	320	940	20,512	1,458,600	254	479	1.41
†Mattawa	3,272	854	2,029	76,471	4,294,700	726	493	1.78
Maxville	847	327	759	18,295	1,464,864	292	418	1.25
McGarry Twp.	2,242	449	1,026	37,130	3,104,240	399	648	1.20
Meaford	3,842	1,603	3,574	79,267	7,401,898	1,361	453	1.07
Merlin	631	262	428	10,026	804,231	196	342	1.25
Merrickville	909	364	646	21,900	1,671,454	343	406	1.31
Midland	9,103	3,054	10,840	167,764	19,062,752	2,835	560	0.88
Mildmay	898	328	641	18,800	1,617,964	290	§496	1.16
Millbrook	887	339	636	27,650	1,936,690	323	500	1.43
Milton	6,165	1,859	5,976	144,674	12,153,350	1,680	603	1.19
Milverton	1,110	496	1,136	29,536	2,372,475	427	463	1.24
Mimico	18,584	7,050	10,597	364,166	34,181,498	6,743	422	1.07
Mitchell	2,347	961	2,549	61,598	4,732,745	873	452	1.30
Moorefield	315	144	439	7,920	679,450	131	432	1.17
Morrisburg	1,984	724	1,682	48,597	4,207,347	645	544	1.16
Mount Brydges	1,045	385	486	19,608	1,240,052	352	294	1.58
Mount Forest	2,672	1,101	2,620	68,273	6,364,870	998	531	1.07
Napanee	4,458	1,742	4,058	97,112	9,533,328	1,550	513	1.02
‡Nepean Twp.	35,147	10,410	32,418	541,396	37,389,849	9,764	638	1.45
Neustadt	529	210	509	8,906	970,390	190	426	0.92
Newboro	265	158	153	8,111	420,333	147	238	1.93
Newburgh	575	194	345	12,971	912,440	166	458	1.42
Newbury	339	140	167	5,899	456,620	130	293	1.29
Newcastle	1,345	525	1,265	33,054	2,775,138	477	485	1.19
New Hamburg	2,215	792	1,909	52,663	4,742,195	718	550	1.11
†New Liskeard	4,861	1,713	4,812	131,404	8,673,200	1,413	512	1.52
Newmarket	8,493	2,820	8,940	194,792	17,523,985	2,532	577	1.11
New Toronto	11,668	4,164	31,949	237,176	22,481,127	3,892	481	1.06
Niagara	2,815	1,096	2,007	73,477	6,176,729	1,008	§513	1.19
Niagara Falls	53,352	16,873	41,314	991,430	85,168,770	15,754	451	1.16
Nipigon Twp.	2,749	788	1,952	50,125	4,830,487	705	571	1.04
North Bay	23,349	8,119	19,358	505,178	44,438,858	6,757	548	1.14
North York Twp.	334,887	109,000	294,740	7,840,619	665,753,203	101,825	545	1.18
Norwich	1,613	693	1,075	38,960	3,048,340	579	439	1.28
Norwood	1,127	423	812	24,713	2,331,501	384	506	1.06
Oakville	48,523	13,904	79,392	1,276,925	104,352,632	13,007	669	1.22
Oil Springs	516	241	382	8,433	629,140	193	272	1.34
Omemee	811	316	598	19,976	1,394,692	285	408	1.43
Orangeville	5,106	1,894	4,714	135,642	11,479,070	1,712	559	1.18

‡Six months' operation.
†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
14,772	905,400	64	1,179	1.63	12,819	658,000	2	317	27,417	1.95
47,140	2,269,400	125	1,513	2.08	26,864	2,038,000	3	523	56,611	1.32
14,513	858,120	31	2,307	1.69	5,617	177,400	4	189	3,696	3.17
12,478	707,634	47	1,255	1.76	1,428	110,100	3	28	3,058	1.30
37,170	2,548,322	205	1,036	1.46	61,485	6,025,580	37	1,688	13,571	1.02
10,633	671,755	62	903	1.58	4,029	185,087	4	111	3,856	2.18
3,306	199,180	14	1,186	1.66	5,815	367,780	7	206	4,378	1.58
64,165	5,777,506	145	3,320	1.11	181,381	22,452,372	74	7,793	25,284	0.81
7,538	427,321	30	§742	1.76	4,956	298,023	8	156	3,104	1.66
5,029	212,338	16	1,106	2.37	.....	.....	.....	.....	.....	.....
60,428	4,231,615	157	2,246	1.43	84,407	7,982,967	22	2,119	30,239	1.06
16,433	992,406	52	1,590	1.66	13,554	798,708	17	469	3,915	1.70
144,177	11,090,448	267	3,461	1.30	61,918	4,986,054	40	2,091	10,388	1.24
21,545	1,283,078	68	1,572	1.68	55,456	4,305,633	20	1,522	17,940	1.29
2,275	118,345	11	897	1.92	8,145	663,000	2	189	27,625	1.23
25,226	1,757,309	71	2,063	1.44	12,216	937,872	8	355	9,770	1.30
6,238	360,172	28	1,072	1.73	6,790	278,250	5	206	4,638	2.44
29,418	2,070,410	76	2,270	1.42	16,961	951,580	27	653	2,937	1.78
54,452	4,021,561	156	2,148	1.35	43,504	4,008,501	36	1,573	9,279	1.09
256,606	22,113,640	609	6,052	1.16	50,567	4,426,966	37	2,702	19,941	1.14
1,620	94,390	17	463	1.72	4,191	376,380	3	158	10,455	1.11
1,589	77,848	11	590	2.04	.....	.....	.....	.....	.....	.....
4,547	194,829	24	676	2.33	3,369	152,148	4	106	3,170	2.21
1,748	113,190	9	1,048	1.54	168	3,160	1	11	263	5.32
12,732	820,380	37	1,848	1.55	10,912	1,025,367	11	291	7,768	1.06
18,920	1,195,859	53	1,880	1.58	27,343	1,839,780	21	783	7,301	1.49
98,380	5,390,700	278	1,616	1.82	74,757	5,923,000	22	1,837	22,436	1.26
158,165	12,222,798	253	4,026	1.29	75,972	7,378,738	35	2,380	17,568	1.03
167,172	13,703,656	231	4,944	1.22	1,038,784	146,608,355	41	28,268	297,984	0.71
22,029	1,298,970	69	§1,473	1.70	13,644	794,440	19	404	3,484	1.72
760,557	62,772,692	1,020	5,128	1.21	435,316	46,607,379	99	13,106	39,232	0.93
31,910	2,577,158	79	2,719	1.24	11,170	1,572,744	4	265	32,766	0.71
399,972	29,024,595	1,212	1,996	1.38	159,414	14,660,485	150	4,581	8,145	1.09
4,774,126	371,535,472	6,257	4,948	1.28	2,284,748	215,633,008	918	67,554	19,575	1.06
16,594	836,860	101	690	1.98	5,043	339,860	13	141	2,179	1.48
7,631	486,322	35	1,158	1.57	3,681	164,050	4	161	3,418	2.24
532,429	39,756,773	744	4,453	1.34	2,330,773	328,321,909	153	52,952	178,825	0.71
2,281	127,580	17	625	1.79	11,815	1,223,240	31	279	3,288	0.97
6,693	291,763	26	935	2.29	4,795	350,809	5	99	5,847	1.37
48,628	3,277,223	134	2,038	1.48	41,083	3,213,568	48	1,608	5,579	1.28

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CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Orillia	14,854	5,665	**17,600**	283,998	29,377,815	4,838	506	0.97
Orono	915	381	805	26,174	2,074,072	354	488	1.26
Oshawa	69,822	22,710	96,118	1,296,368	158,468,922	20,571	642	0.82
Ottawa (including Eastview and Rockliffe Park)	308,031	97,645	**294,432**	5,111,347	677,378,342	85,949	657	0.75
Otterville	754	297	458	16,976	1,350,200	260	433	1.26
Owen Sound	17,914	6,447	14,298	395,198	39,559,873	6,007	549	1.00
Paisley	744	327	659	16,730	1,366,190	253	450	1.22
Palmerston	1,590	646	1,483	42,354	3,559,565	576	515	1.19
Paris	6,025	2,078	4,455	120,309	9,254,667	1,801	428	1.30
Parkhill	1,091	488	1,116	31,641	2,487,154	432	480	1.27
Parry Sound	6,054	2,100	**4,576**	156,328	12,978,602	1,900	569	1.20
Penetanguishene	5,145	1,414	3,177	76,664	8,413,535	1,303	538	0.91
Perth	5,682	2,182	5,494	127,668	11,106,644	1,988	466	1.15
Peterborough	52,185	16,930	52,195	1,285,213	116,090,746	15,849	610	1.11
Petrolia	3,793	1,368	2,664	62,537	4,322,520	1,141	316	1.45
Pickering	1,860	542	1,221	46,699	3,434,119	506	566	1.36
†Pickle Lake Landing Townsite	§300	125	241	7,940	496,900	92	450	1.60
Picton	5,016	1,849	4,734	115,145	10,967,495	1,531	597	1.05
‡Plantagenet	895	246	619	17,317	1,089,758	226	536	1.59
Plattsville	495	202	823	14,995	1,158,930	191	506	1.29
Point Edward	2,739	871	6,036	41,610	3,006,438	781	321	1.38
Port Arthur	45,416	14,394	**54,832**	956,257	89,840,507	12,798	585	1.06
Port Burwell	684	478	302	24,756	959,510	449	178	2.58
†Port Carling	*511	566	377	37,989	1,911,100	493	323	1.99
Port Colborne	17,242	5,289	15,930	245,438	18,935,810	4,700	336	1.30
Port Credit	7,301	2,780	15,282	174,981	16,665,088	2,633	527	1.05
Port Dover	3,199	1,665	2,812	72,286	4,966,057	1,531	270	1.46
Port Elgin	2,063	1,145	1,916	72,005	5,411,845	1,027	439	1.33
Port Hope	8,350	2,893	8,878	197,226	17,689,583	2,703	545	1.11
Port McNicoll	1,199	557	1,504	26,352	2,297,190	546	351	1.15
Port Perry	2,371	866	2,116	63,350	5,655,445	826	571	1.12
Port Rowan	781	343	396	14,738	996,445	306	271	1.48
Port Stanley	*1,370	1,154	1,139	56,294	3,893,261	1,106	293	1.45
†Powassan	1,071	390	788	30,420	2,200,800	308	595	1.38
Prescott	5,216	1,815	4,435	94,949	9,820,476	1,681	487	0.97
Preston	12,365	3,868	10,881	246,815	21,559,224	3,585	501	1.14
Priceville	138	74	90	3,465	176,820	67	220	1.96
Princeton	421	171	362	9,890	903,445	130	579	1.09
Queenston	524	179	446	13,397	1,394,126	174	668	0.96
Rainy River	1,009	425	782	32,954	1,878,126	391	400	1.75

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.
‡Nine months' operation.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
185,850	14,659,006	680	1,796	1.27	373,080	40,093,224	147	14,504	22,729	0.93
7,892	541,652	24	1,881	1.46	6,606	473,590	3	185	13,155	1.39
605,814	53,382,577	1,835	2,424	1.13	1,829,949	246,526,705	304	56,866	67,579	0.74
6,943,350	608,609,496	11,512	4,406	1.14	505,890	49,795,142	184	16,274	22,552	1.02
5,916	304,410	31	818	1.94	1,604	57,700	6	60	801	2.78
153,581	12,233,894	304	3,354	1.26	157,455	15,319,728	136	6,017	9,387	1.03
9,758	543,881	67	676	1.79	3,227	211,572	7	86	2,519	1.53
20,508	1,280,289	53	2,013	1.60	10,339	768,156	17	403	3,765	1.35
54,655	3,882,023	238	1,359	1.41	69,788	7,946,888	39	2,479	16,981	0.88
16,378	955,158	42	1,895	1.71	17,387	953,956	14	498	5,678	1.82
75,319	4,987,944	177	2,348	1.51	31,668	2,783,409	23	866	10,085	1.14
28,692	2,447,382	93	2,193	1.17	30,173	3,963,850	18	985	18,351	0.76
58,588	4,633,261	156	2,475	1.26	72,051	7,035,522	38	2,506	15,429	1.02
507,684	41,298,249	792	4,345	1.23	797,771	102,703,594	289	25,583	29,615	0.78
47,794	2,591,820	192	1,125	1.84	59,169	2,858,080	35	1,449	6,805	2.07
11,087	837,022	32	2,180	1.32	5,672	560,330	4	180	11,674	1.01
5,266	338,500	32	882	1.56	3,824	295,700	1	62	24,642	1.29
77,363	5,580,750	284	1,638	1.39	34,246	3,041,968	34	1,187	7,456	1.13
5,622	303,944	18	1,876	1.85	6,130	244,140	2	185	13,563	2.51
2,751	126,420	7	1,505	2.18	22,306	1,755,350	4	499	36,570	1.27
45,176	3,320,324	70	3,953	1.36	183,554	20,275,390	20	5,347	84,481	0.91
672,489	58,274,702	1,541	3,151	1.15	817,747	85,958,849	55	28,346	130,241	0.95
4,885	229,100	26	734	2.13	386	8,830	3	24	245	4.37
19,643	886,400	67	1.102	2.22	1,501	116,000	6	52	1,611	1.29
146,659	8,414,172	487	1,440	1.74	323,460	41,978,839	102	8,518	34,296	0.77
105,974	8,716,536	139	5,226	1.22	489,511	76,043,087	8	10,767	792,115	0.64
36,093	2,240,967	91	2,052	1.61	52,700	4,507,168	43	1,577	8,735	1.17
30,760	1,799,286	103	1,456	1.71	16,992	1,175,307	15	426	6,529	1.45
64,465	4,527,561	143	2,638	1.42	162,720	16,025,566	47	4,969	28,414	1.02
3,600	230,516	9	2,134	1.56	26,569	1,668,920	2	794	69,538	1.59
22,985	1,616,615	33	4,082	1.42	3,945	166,439	7	170	1,981	2.37
7,072	392,213	32	1,021	1.80	1,175	47,114	5	42	785	2.49
11,991	646,613	30	1,796	1.85	8,580	421,420	18	362	1,951	2.04
14,309	814,700	78	870	1.76	817	30,700	4	26	640	2.66
49,774	3,746,451	115	2,715	1.33	40,510	3,878,529	19	1,316	17,011	1.04
58,038	3,908,277	172	1,894	1.49	255,806	24,059,931	111	8,230	18,063	1.06
557	15,650	7	186	3.56	.....	.....	.....	.....	.....	.....
5,100	301,249	37	678	1.69	1,976	70,920	4	75	1,478	2.79
4,828	406,462	5	6,774	1.19	.....	.....	.....	.....	.....	.....
12,200	600,933	31	1,615	2.03	2,273	167,350	3	60	4,649	1,36

▲See Introduction page 199.

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
†Red Lake Twp.	2,752	1,169	2,292	85,729	5,250,600	923	474	1.63
Red Rock	1,941	351	1,066	23,179	2,653,876	326	678	0.87
Renfrew	8,550	2,774	7,987	165,926	16,580,478	2,514	550	1.00
Richmond	1,278	376	992	30,893	2,808,216	360	650	1.10
Richmond Hill	19,217	5,314	14,491	433,987	35,092,188	4,997	585	1.24
Ridgetown	2,712	1,114	1,915	40,201	2,989,449	918	271	1.34
Ripley	458	212	492	12,288	1,067,470	191	466	1.15
Riverside	19,498	5,827	10,369	362,780	27,263,710	5,668	401	1.33
Rockland	3,549	934	1,767	59,755	4,982,974	890	467	1.20
Rockwood	807	303	548	22,837	1,662,778	285	486	1.37
Rodney	1,051	431	717	21,219	1,399,376	390	299	1.52
Rosseau	235	129	155	6,504	407,762	120	283	1.60
Russell	560	214	468	13,665	1,261,078	196	536	1.08
St. Catharines	86,974	27,619	108,420	1,719,857	143,366,556	24,881	480	1.20
St. Clair Beach	1,536	442	817	35,767	2,503,340	430	485	1.43
St. George	810	290	660	14,661	1,439,673	265	453	1.02
St. Jacobs	731	265	662	16,312	1,388,608	215	538	1.17
St. Mary's	4,646	1,724	13,408	120,398	10,299,240	1,583	542	1.17
St. Thomas	22,549	8,195	21,833	531,799	42,371,330	7,613	464	1.26
Sandwich East Twp.	22,345	6,577	10,268	378,939	20,144,320	6,248	269	1.88
Sandwich West Twp.	31,334	8,617	20,538	673,639	46,311,945	8,117	475	1.45
Sarnia	50,979	15,559	127,741	994,585	67,626,010	14,549	387	1.47
Scarborough Twp.	251,675	72,393	206,468	5,390,190	464,416,925	68,789	563	1.16
Schreiber Twp.	2,184	681	1,810	50,502	5,365,278	631	709	0.94
Seaforth	2,278	916	2,050	51,586	4,489,887	803	466	1.15
Shelburne	1,315	608	1,181	34,344	2,952,360	548	449	1.16
Simcoe	9,853	3,657	11,464	153,746	15,833,553	3,282	402	0.97
Sioux Lookout	2,685	953	2,280	76,114	6,172,637	807	637	1.23
Smith's Falls	9,749	3,480	10,452	235,853	20,120,576	3,174	528	1.17
Smithville	899	384	669	16,479	1,247,447	288	361	1.32
Southampton	1,848	1,271	1,392	53,821	4,251,157	1,130	314	1.27
†South Porcupine Townsite	§6,000	2,007	2,932	113,188	7,524,000	1,723	364	1.50
South River	962	328	503	22,706	1,118,970	304	307	2.03
Springfield	506	181	336	10,147	853,060	172	413	1.19
Stayner	1,695	704	1,517	35,605	3,553,390	628	472	1.00
Stirling	1,364	561	1,278	35,142	3,241,840	500	540	1.08
Stoney Creek	6,753	2,145	5,091	173,587	15,113,629	2,018	624	1.15
Stouffville	3,656	1,291	3,144	101,768	7,939,391	1,182	560	1.28
Stratford	21,774	7,514	22,817	483,938	42,572,630	6,650	533	1.14
Strathroy	5,412	1,936	5,627	124,196	10,344,185	1,757	491	1.20

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
61,440	3,888,000	237	1,367	1.58	11,726	481,300	9	300	4,456	2.44
15,591	1,295,836	24	4,499	1.20	1,313	108,000	1	55	9,000	1.22
64,737	5,172,766	196	2,199	1.25	95,940	9,931,788	64	3,462	12,932	0.97
13,511	885,790	16	4,613	1.53	.....	.....	.....	.....	.....	.....
149,368	10,101,614	242	3,479	1.48	163,353	12,185,076	75	4,581	13,539	1.34
30,527	1,763,479	168	875	1.73	38,403	2,618,467	28	1,132	7,793	1.47
4,722	260,830	17	1,279	1.81	2,603	138,425	4	89	2,884	1.88
69,794	4,760,700	132	3,005	1.47	53,649	4,396,370	27	1,699	13,569	1.22
14,657	927,217	40	1,932	1.58	3,010	239,783	4	104	4,995	1.26
4,968	292,472	17	1,434	1.70	754	18,030	1	35	1,503	4.18
10,848	690,770	32	1,799	1.57	6,276	301,285	9	219	2,790	2.08
2,531	141,270	9	1,308	1.79	.....	.....	.....	.....	.....	.....
4,210	299,479	15	1,664	1.41	627	59,180	3	22	1,644	1.06
835,434	59,224,227	2,447	2,017	1.41	2,574,820	332,516,433	291	68,855	95,222	0.77
3,026	167,640	8	1,746	1.81	4,857	304,960	4	159	6,353	1.59
7,100	534,118	20	2,225	1.33	7,793	630,890	5	214	10,515	1.24
11,371	687,348	41	1,397	1.65	7,321	285,220	9	291	2,641	2.57
32,868	2,196,970	96	1,907	1.50	459,845	70,475,480	45	11,153	130,510	0.65
202,290	14,676,090	446	2,742	1.38	417,539	44,815,680	136	11,737	27,461	0.93
145,913	9,708,350	240	3,371	1.50	162,562	10,081,910	89	4,526	9,440	1.61
312,339	21,856,834	402	4,531	1.43	178,274	12,518,590	98	4,558	10,645	1.42
624,000	39,170,020	862	3,787	1.59	5,130,525	811,958,980	148	106,319	457,184	0.63
2,407,068	192,728,997	3,114	5,158	1.25	2,226,265	226,075,465	490	61,523	38,448	0.98
24,599	1,876,943	49	3,192	1.31	4,673	588,400	1	119	49,033	0.79
27,464	1,762,644	88	1,669	1.56	22,375	1,590,130	25	776	5,300	1.41
16,067	1,182,599	46	2,142	1.36	6,752	358,882	14	277	2,136	1.88
126,167	9,867,178	309	2,661	1.28	195,272	22,046,626	66	6,186	27,837	0.89
42,078	2,349,325	138	1,419	1.79	12,439	1,253,220	8	244	13,054	0.99
134,587	11,306,282	276	3,414	1.19	113,868	13,265,468	30	3,407	36,849	0.86
14,034	699,585	83	702	2.01	14,805	897,421	13	439	5,753	1.65
23,990	1,303,958	124	876	1.84	20,960	1,398,500	17	589	6,855	1.50
51,140	2,860,000	275	867	1.79	3,118	207,400	9	100	1,920	1.50
8,493	377,373	20	1,572	2.25	8,304	498,215	4	150	10,379	1.67
1,318	106,550	7	1,268	1.24	1,535	60,510	2	79	2,521	2.54
11,384	817,947	55	1,239	1.39	12,474	1,237,239	21	438	4,910	1.01
12,725	822,299	46	1,490	1.55	8,534	692,193	15	314	3,846	1.23
49,812	3,637,986	97	3,125	1.37	9,933	697,768	30	362	1,938	1.42
41,278	2,410,103	95	2,114	1.71	13,646	721,018	14	418	4,292	1.89
257,280	18,503,370	711	2,169	1.39	397,162	41,640,050	153	12,800	22,680	0.95
61,002	4,218,547	127	2,768	1.45	117,368	9,688,517	52	3,450	15,526	1.21

▲See Introduction page 199.

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Streetsville	5,697	1,555	4,658	111,025	8,740,038	1,371	531	1.27
Sturgeon Falls	6,690	1,713	3,746	124,154	9,367,742	1,595	489	1.33
Sudbury	78,061	25,075	53,179	1,654,878	155,143,459	22,504	575	1.07
Sunderland	600	269	548	14,389	1,385,470	245	471	1.04
Sundridge	758	316	749	17,436	1,469,856	283	433	1.19
Sutton	1,423	930	1,370	53,978	3,816,097	842	378	1.41
Swansea	9,322	3,599	7,723	222,827	21,174,761	3,460	510	1.05
Tara	521	249	608	12,860	1,184,378	223	443	1.09
Tavistock	1,206	516	1,076	36,358	3,137,280	483	541	1.16
Tecumseh	4,531	1,338	1,882	78,146	4,742,760	1,272	311	1.65
Teeswater	920	378	1,029	20,726	1,895,942	340	465	1.09
Terrace Bay Twp.	1,949	457	1,676	46,595	5,480,981	421	1,085	0.85
Thamesford	1,287	434	1,175	37,194	2,913,280	409	594	1.28
Thamesville	970	443	992	19,155	1,483,630	393	315	1.29
Thedford	711	304	639	18,744	1,528,520	273	467	1.23
Thessalon	1,686	534	1,124	42,754	2,684,060	481	465	1.59
Thornbury	1,171	567	1,439	30,555	2,097,190	468	373	1.46
Thorndale	405	138	303	10,981	835,540	129	540	1.31
†Thornloe	167	38	55	3,312	229,100	29	658	1.45
Thornton	458	104	204	7,001	572,600	93	513	1.22
Thorold	8,730	2,613	15,683	184,364	11,833,725	2,356	419	1.56
Tilbury	3,178	1,070	2,072	43,537	2,944,120	964	255	1.48
Tillsonburg	6,795	2,653	7,383	141,263	11,315,655	2,312	408	1.25
†Timmins (including Schumacher)	§32,800	9,920	17,782	652,726	45,903,400	8,613	444	1.42
Toronto (including Leaside)	655,022	213,819	677,334	12,117,392	956,587,122	181,218	440	1.27
Toronto Twp.	76,066	21,809	98,359	1,873,409	154,094,236	20,708	620	1.22
Tottenham	780	281	531	17,608	1,637,080	254	537	1.08
Trenton	14,112	4,504	17,823	259,729	27,739,183	4,139	558	0.94
Tweed	1,708	667	1,692	37,998	3,852,381	589	545	0.99
Uxbridge	2,549	925	2,698	57,976	5,774,845	838	574	1.00
Vankleek Hill	1,727	569	940	32,172	2,401,536	519	386	1.34
Victoria Harbour	1,048	535	571	25,162	1,580,951	497	265	1.59
Walkerton	4,176	1,444	4,778	88,225	8,285,540	1,331	519	1.06
Wallaceburg	10,227	2,776	10,157	94,320	7,965,326	2,417	275	1.18
Wardsville	303	152	233	5,819	462,827	117	330	1.26
Warkworth	529	234	370	14,278	1,042,043	218	398	1.37
Wasaga Beach	*462	1,023	387	32,775	1,570,040	816	160	2.09
Waterdown	1,898	603	1,488	45,574	3,901,069	536	§622	1.17
Waterford	2,380	864	1,600	50,867	3,503,326	815	358	1.45
Waterloo	25,478	8,038	26,306	513,497	50,588,771	7,149	590	1.02

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
50,431	3,509,781	161	1,817	1.44	53,074	5,389,492	23	1,478	19,527	0.98
60,682	4,056,928	101	3,347	1.50	8,212	777,872	17	218	3,813	1.06
983,590	60,515,981	2,287	2,205	1.63	280,552	22,121,163	284	8,206	6,491	1.27
4,936	306,530	20	1,277	1.61	3,530	234,831	4	115	4,892	1.50
10,533	707,372	28	2,105	1.49	2,227	90,927	5	84	1,515	2.45
28,725	1,731,139	82	1,759	1.66	6,125	340,800	6	164	4,733	1.80
82,189	5,871,627	121	4,044	1.40	81,378	9,308,214	18	2,124	43,094	0.87
5,925	401,453	19	1,761	1.48	8,331	871,610	7	203	10,376	0.96
6,972	488,100	20	2,034	1.43	10,781	652,470	13	358	4,183	1.65
23,627	1,398,530	55	2,119	1.69	13,649	1,161,695	11	388	8,801	1.17
6,518	419,140	30	1,164	1.56	15,410	1,336,400	8	453	13,921	1.15
29,482	2,316,237	34	5,677	1.27	5,264	663,800	2	122	27,658	0.79
6,950	443,780	19	1,946	1.57	16,506	1,459,890	6	364	20,276	1.13
9,965	701,820	33	1,772	1.42	20,864	1,075,830	17	788	5,274	1.94
5,554	343,290	23	1,244	1.62	6,220	457,590	8	176	4,767	1.36
19,473	1,019,074	46	1,846	1.91	5,390	345,970	7	117	4,119	1.56
17,430	841,384	80	876	2.07	32,294	2,057,428	19	1,096	9,024	1.57
1,138	61,060	6	848	1.86	2,211	77,240	3	93	2,146	2.86
1,259	59,000	9	546	2.13	.....	.....	.....	.....	.....	.....
1,616	75,280	11	570	2.15	.....	.....	.....	.....	.....	.....
65,882	3,652,722	216	1,409	1.80	568,291	78,128,051	41	13,406	158,797	0.73
30,435	1,973,150	78	2,108	1.54	37,688	2,151,250	28	1,329	6,403	1.75
132,774	9,411,017	286	2,742	1.41	113,443	9,445,552	55	3,354	14,311	1.20
375,039	23,117,600	1,275	1,511	1.62	36,345	1,812,400	32	1,050	4,720	2.01
9,731,093	702,196,733	25,245	2,318	1.39	18,870,344	2,005,486,762	7,356	483,238	22,719	0.94
798,166	61,069,107	824	6,176	1.31	2,424,467	283,331,664	277	57,123	85,238	0.86
4,295	246,590	20	1,027	1.74	2,431	175,845	7	75	2,093	1.38
121,038	10,028,398	293	2,852	1.21	397,469	56,091,746	72	11,187	64,921	0.71
19,576	1,561,914	61	2,134	1.25	15,290	1,070,178	17	599	5,246	1.43
27,269	1,921,645	62	2,583	1.42	38,180	2,713,880	25	1,221	9,046	1.41
13,980	977,887	43	1,895	1.43	4,814	169,995	7	204	2,024	2.83
12,381	699,888	35	1,666	1.77	1,153	85,080	3	27	2,363	1.36
44,624	3,210,285	91	2,940	1.39	59,277	5,570,674	22	1,800	21,101	1.06
79,275	6,244,312	266	1,956	1.27	304,303	39,028,957	93	8,963	34,972	0.78
5,997	302,873	35	721	1.98	.....	.....	.....	.....	.....	.....
3,684	215,769	16	1,124	1.71	.....	.....	.....	.....	.....	.....
31,979	1,466,540	206	593	2.18	185	4,560	1	7	380	4.06
17,391	1,090,143	50	§1,465	1.60	5,492	337,450	17	191	1,654	1.63
14,765	844,580	33	2,133	1.75	25,864	1,397,950	16	744	7,281	1.85
401,912	28,266,037	787	2,993	1.42	370,325	37,001,148	102	10,351	30,230	1.00

▲See Introduction page 199.

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1964	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Watford	1,264	523	1,602	30,412	2,659,125	465	477	1.14
Waubaushene	§1,450	468	399	17,588	1,110,280	439	211	1.58
Webbwood	598	156	218	12,584	638,034	143	372	1.97
Welland	36,926	11,258	31,982	561,390	38,224,171	10,576	301	1.47
Wellesley	675	304	518	19,640	1,497,512	284	439	1.31
Wellington	1,004	493	672	27,563	2,130,112	462	384	1.29
West Ferris Twp.	6,215	2,208	5,824	171,959	12,661,487	2,054	514	1.36
West Lorne	1,115	453	1,371	22,056	1,681,420	408	343	1.31
Weston	10,214	4,014	12,079	239,314	21,526,259	3,625	495	1.11
Westport	677	301	512	15,656	1,420,550	272	435	1.10
Wheatley	1,403	531	970	24,733	1,741,320	434	334	1.42
Whitby	14,243	4,177	16,072	285,804	26,445,765	3,823	576	1.08
†White River	970	328	800	35,982	1,448,300	254	475	2.48
Wiarton	2,030	837	1,762	51,476	4,325,111	749	481	1.19
Williamsburg	329	142	344	7,151	636,964	120	442	1.12
Winchester	1,431	618	1,609	36,590	3,379,514	555	507	1.08
Windermere	*111	133	102	6,835	436,560	122	298	1.57
Windsor	113,459	37,956	94,149	1,576,882	146,153,340	35,206	346	1.08
Wingham	2,856	1,128	3,267	70,922	7,500,751	1,012	618	0.95
Woodbridge	2,481	793	2,188	59,920	5,763,482	731	657	1.04
Woodstock	22,214	7,703	23,685	505,467	46,732,620	7,116	547	1.08
Woodville	411	199	192	10,384	803,890	178	376	1.29
Wyoming	957	372	624	14,061	1,158,999	335	288	1.21
York Twp.	127,370	41,656	75,125	2,297,653	222,801,814	39,747	467	1.03
Zurich	721	314	612	19,104	1,393,890	251	463	1.37

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1964

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh▲
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
15,487	931,652	47	1,652	1.66	36,705	3,201,575	11	1,090	24,254	1.15
5,771	319,808	26	1,025	1.80	2,004	67,600	3	55	1,878	2.96
2,774	111,201	12	772	2.49	495	45,200	1	10	3,767	1.10
333,464	22,916,216	594	3,215	1.46	851,986	96,520,578	88	23,040	91,402	0.88
3,520	214,041	16	1,115	1.64	2,375	117,746	4	81	2,453	2.02
5,004	239,018	18	1,107	2.09	7,844	390,856	13	223	2,505	2.01
61,885	4,023,621	139	2,412	1.54	62,952	7,517,103	15	1,490	41,762	0.84
10,046	530,590	33	1,340	1.89	34,759	2,759,350	12	887	19,162	1.26
193,451	15,280,420	353	3,607	1.27	174,099	17,713,050	36	4,575	41,002	0.98
8,681	599,830	27	1,851	1.45	343	4,917	2	28	205	6.98
19,180	947,520	84	940	2.02	20,508	999,260	13	595	6,406	2.05
123,264	9,119,605	310	2,452	1.35	309,586	38,514,767	44	8,927	72,945	0.80
33,633	1,701,400	73	1,942	1.98	6,350	483,000	1	80	40,250	1.31
23,726	1,603,657	70	1,909	1.48	12,497	972,190	18	378	4,501	1.29
6,835	450,712	21	1,789	1.52	249	19,300	1	6	1,608	1.29
16,860	1,381,791	52	2,214	1.22	18,967	2,196,055	11	497	16,637	0.86
3,335	205,460	11	1,557	1.62						
984,557	78,897,350	2,030	3,239	1.25	2,267,685	244,662,060	720	69,788	28,317	0.93
35,390	2,561,495	82	2,603	1.38	46,877	4,011,264	34	1,548	9,832	1.17
17,973	1,303,542	50	2,173	1.38	20,275	1,691,967	12	626	11,750	1.20
194,171	14,649,770	442	2,762	1.33	458,591	50,777,390	145	13,772	29,182	0.90
3,231	180,760	18	837	1.79	853	24,110	3	39	670	3.54
5,577	376,500	29	1,082	1.48	10,589	510,750	8	392	5,320	2.07
932,893	76,355,501	1,744	3,648	1.22	765,737	86,019,448	165	22,687	43,444	0.89
10,563	460,884	58	662	2.29	2,289	132,830	5	56	2,214	1.72

▲See Introduction page 199.

NOTES

For certain municipalities the figures under the heading "Monthly Consumption per Customer" have been estimated to allow for the transfer of small commercial customers to residential service.

December Peak Loads—When figure is shown in bold face type, local generation and/or local purchases have been included in addition to the load supplied by Ontario Hydro.

LIST OF ABBREVIATIONS

A.M.E.U.—Association of Municipal Electrical Utilities
bhp —brake horsepower
cfs —cubic feet per second
C.L.C. —Canadian Labour Congress
ehv —extra-high-voltage
G.S. —Generating Station
hp —horsepower
Jct. —Junction
kv —kilovolt(s)
kva —kilovolt-ampere(s)
kvar —kilovar(s)
kw —kilowatt(s)
kwh —kilowatt-hour(s)
M.E.U. —Municipal Electrical Utilities
min —minimum
—minute (20-min)
mw —megawatt
O.M.E.A.—Ontario Municipal Electric Association
rpm —revolutions per minute
S.S. —Switching Station
T.S. —Transformer Station
Twp. —Township

INDEX

In the index all page references to tables or graphs are in italic type figures. The code letters refer to statements in the text as follows:

A—Statements "A" and "B"—Financial Statements of the Municipal Electrical Utilities

C—Statement "C"—Rates and Typical Bills for Electrical Service in Municipal Electrical Utilities and Commission-owned Distribution Systems

D—Statement "D"—Customers, Revenue, and Consumption in Municipal Electrical Utilities and Commission-owned Distribution Systems

B

C

Code letters *A, C, D*, with page references, represent each of the statements so designated.

D

E

F

Code letters *A*, *C*, *D*, with page references, represent each of the statements so designated.

G

H

Code letters *A*, *C*, *D*, with page references, represent each of the statements so designated.

O

P

Code letters *A*, *C*, *D*, with page references, represent each of the statements so designated.

Q

R

Code letters *A, C, D,* with page references, represent each of the statements so designated.

T

U

V

Code letters *A*, *C*, *D*, with page references, represent each of the statements so designated.